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UNIVERSITY OF ILLINOIS

College of
dentistry



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THE UNIVERSITY OF ILLINOIS

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College of Dentistry

808 SOUTH WOOD STREET, CHICAGO 12, ILLINOIS

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UNIVERSITY OF ILLINOIS

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Board of Trustees

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COMMITTEE ON THE CHICAGO DEPARTMENTS

Mrs. Frances B. Watkins, CHAIRMAN

Cushman B. Bissell

Harold E. Grange

Calendar

1953

FALL QUARTER

Sept. 24, Thursday.....Registration of new students.
Sept. 25, Friday.....Registration of undergraduate students.
Sept. 28, Monday.....Classes begin.
Nov. 26, Thursday.....Thanksgiving Day.
Dec. 19, Saturday.....Fall quarter ends.

1954

WINTER QUARTER

Jan. 4, Monday.....Registration and first day of classes.
March 27, Saturday.....Winter quarter ends.

1954

SPRING QUARTER

March 29, Monday.....Registration and first day of classes for fourth year students.
April 5, Monday.....Registration and first day of classes for first, second, and third year students.
April 16, Friday.....Latest date for candidates for B.S. degree in Dentistry to file applications for degrees.
May 31, Monday.....Memorial Day observance.
June 18, Friday.....Commencement Day.
June 26, Saturday.....Spring quarter ends.

1954

SUMMER QUARTER

June 28, Monday.....Registration of undergraduate students for clinics.
July 5, Monday.....Independence Day observance.
Sept. 6, Monday.....Labor Day.
Sept. 18, Saturday.....Summer quarter ends.

1954

FALL QUARTER

Sept. 23, Thursday.....Registration of new students.
Sept. 24, Friday.....Registration of undergraduate students.
Sept. 27, Monday.....Classes begin.
Nov. 25, Thursday.....Thanksgiving Day.
Dec. 18, Saturday.....Fall quarter ends.

1955

WINTER QUARTER

Jan. 3, Monday.....Registration and first day of classes.
March 26, Saturday.....Winter quarter ends.

1955

SPRING QUARTER

March 28, Monday.....Registration and first day of classes for fourth year students.
April 4, Monday.....Registration and first day of classes for first, second, and third year students.
May 30, Monday.....Memorial Day.
June 17, Friday.....Commencement Day.
June 25, Saturday.....Spring quarter ends.

1955

SUMMER QUARTER

June 27, Monday.....Registration of undergraduate students for clinics.
July 4, Monday.....Independence Day.
Sept. 5, Monday.....Labor Day.
Sept. 17, Saturday.....Summer quarter ends.

1955

FALL QUARTER

Sept. 22, Thursday.....Registration of new students.
Sept. 23, Friday.....Registration of undergraduate students.
Sept. 26, Monday.....Classes begin.
Nov. 24, Thursday.....Thanksgiving Day.
Dec. 17, Saturday.....Fall quarter ends.

Administrative Officers

LLOYD MOREY, A.B., B.Mus., C.P.A., LL.D., Acting President of the University
ALLAN GIBSON BRODIE, D.D.S., Ph.D., Dean of the College of Dentistry
NELL SNOW TALBOT, A.M., Assistant to the Dean of the College of Dentistry
GEORGE ROBERT MOON, A.M., Examiner and Recorder for the Chicago Departments
JOHN EDSON MILLIZEN, A.B., Administrator of the Research and Educational Hospitals
HOWARD ALBERT HAZLETON, B.S., Business Manager for the Chicago Departments
HARRY WISLER PEARCE, B.S., Superintendent of Buildings and Grounds for the Chicago Departments
MARGARET DICKSON JOHNSON, A.B., Manager of the Chicago Illini Union
FREDERICK CRIST LENDRUM, M.D., Ph.D., Health Officer for the Chicago Departments
PAUL A. HARTLEY, A.M., Associate Director of Nonacademic Personnel
WILMA ALLENE TROXEL, A.M., Librarian for the Chicago Departments
CHRISTOPHER LINCOLN WILLISTON, B.S., Manager of Public Relations for the Chicago Departments
MAURICE JACKSON GALBRAITH, M.S., Dean of Student Affairs

Committees

COMMITTEES FOR THE CHICAGO PROFESSIONAL COLLEGES

Animal Hospital Advisory. C. A. Krakower (Chairman), L. G. Abood, J. A. Bain, E. Bond (*ex officio*), G. M. Hass, A. L. Hesse (*ex officio*), G. G. Jackson, J. E. Kempf, J. F. Knight (*ex officio*), C. A. Reed, I. Schour, C. W. Vermeulen, W. V. Whitehorn.

Building. A. G. Brodie, Emily C. Cardew, H. F. Dowling, R. A. Harvey, H. A. Hazleton (*ex officio*), R. G. Kesel, J. E. Millizen (*ex officio*), H. W. Pearce, C. C. Pfeiffer, E. R. Serles, E. L. Stouffer (*ex officio*), R. F. Voigt, G. E. Wakerlin.

Calendar. G. R. Moon (Chairman), R. A. Harvey, M. V. Novak, Nell S. Talbot, R. E. Terry.

Classroom Schedules. R. E. Terry (Chairman), Ethel W. Engeljohn, Nell S. Talbot.

Committees. G. L. Webster (Chairman designate), J. P. Marbarger (Secretary), D. L. Deardorff, R. Gerard, M. Massler, A. J. Perkins, C. C. Pfeiffer, D. A. Wallace.

Health Service and Physical Fitness Advisory. F. K. Hick (Chairman), M. C. Benford, H. T. Carmichael, D. L. Deardorff, H. F. Dowling, L. M. Dyke (*ex officio*), A. Elfenbaum, M. J. Galbraith, G. G. Jackson, F. C. Lendrum (*ex officio*), H. W. Pearce (*ex officio*).

Internal Exhibits. T. Jones (Chairman), E. L. DuBrul, R. A. Harvey, E. R. Serles, C. L. Williston (*ex officio*).

Lecture Series. C. I. Reed (Chairman), M. J. Galbraith, A. Kirschbaum, E. Oldberg, Nell S. Talbot, G. L. Webster.

Library. P. Bailey, L. C. Dolk, J. H. Kiefer, B. G. Sarnat, I. Schour, Wilma A. Troxel (*ex officio*), K. Unna, G. L. Webster.

Maintenance of Buildings and Grounds. G. I. Reed (Chairman), M. J. Galbraith, T. S. Jones, E. R. Kirch, H. W. Pearce, C. F. Schar, P. H. Simer, J. M. Spence.

Policy and Discipline. A. G. Brodie, M. J. Galbraith (*ex officio*), R. A. Harvey, G. R. Moon (*ex officio*), M. V. Novak, E. R. Serles.

Publications (Nonscientific). E. R. Serles (Chairman), M. J. Galbraith, P. Hartley, J. F. Knight, Ann L. Laird, Edna Milbrandt (*ex officio*), J. E. Millizen, G. R. Moon, Nell S. Talbot, C. L. Williston.

Student Affairs and the Chicago Illini Union. J. E. Davis (Chairman), J. A. Gagnon, M. J. Galbraith (*ex officio*), H. A. Hazleton (*ex officio*), C. A. Johnson, Margaret D. Johnson (*ex officio*), E. R. Kirch, Ann L. Laird, Patricia McEniff (*ex officio*), G. R. Moon, H. W. Pearce (*ex officio*), M. Samter, C. L. Williston (*ex officio*).

COMMITTEES OF THE COLLEGE OF DENTISTRY

Admissions. A. G. Brodie (Chairman), R. G. Kesel, W. H. Kubacki, G. R. Moon, G. E. Moore, I. Schour, G. P. Tuttle, S. D. Tylman, G. E. Wakerlin.

Curriculum. Nell S. Talbot (Chairman), A. G. Brodie, R. G. Kesel, W. H. Kubacki, J. M. Spence, S. D. Tylman.

Executive. A. G. Brodie (Chairman), R. G. Kesel, W. H. Kubacki, M. Massler, B. G. Sarnat, I. Schour, J. M. Spence, S. D. Tylman, J. P. Weinmann.

Exhibits and Clinics. E. L. DuBrul (Chairman), J. A. Gagnon, J. M. Spence.

Promotions. A. G. Brodie (Chairman), R. G. Kesel, W. H. Kubacki, I. Schour, J. M. Spence, Nell S. Talbot, S. D. Tylman.

part 1 *General*

Courtesy of Chicago Aerial Survey Co.



information

Location

The College of Dentistry of the University of Illinois is located in the great medical center on the west side of Chicago. The work of the College, together with the related work in the Colleges of Medicine and Pharmacy and the Graduate College, is centralized in the Dental-Medical-Pharmacy Building, facing on Polk, Wood, and Wolcott Streets. The campus, which is about three miles from the Loop, or main business district of the city, can be reached conveniently by elevated train, street car, or automobile.

The University buildings contain the administrative offices of the College, the library, several museums, many classrooms and large laboratories for class work, numerous small laboratories for individual research, an autopsy amphitheater, a large and well-equipped surgical amphitheater, and the clinics of the College of Dentistry. The Student Union Building is at 715 South Wood Street.

Available for instruction are the Research and Educational Hospitals which were operated by the State Department of Public Welfare until they were transferred to the University in 1941. Additional facilities for instruction and research are available in the Neuropsychiatric Institute, the Illinois Eye and Ear Infirmary, and the Institute for Juvenile Research, which are located on or near the campus.

LEGEND TO PHOTOGRAPH

1. Dental-Medical-Pharmacy Building
2. Research and Educational Hospitals
3. Neuropsychiatric Institute
4. Medical Center Steam Plant
5. Chicago Illini Union
6. Staff Apartments
7. Student Residence Hall
8. University of Illinois-Cook County School of Nursing

History

The College of Dentistry was originally an independent, proprietary institution before becoming affiliated with the University of Illinois. It was founded in 1892 as the Columbian Dental College, becoming in 1898 the Illinois School of Dentistry. It was first affiliated with the University of Illinois in 1901, and was called the School of Dentistry until 1905, when its name was changed to the College of Dentistry. In 1913 the University assumed complete control, and the College of Dentistry became an organic part of the University. It is now located in the building that also houses the Colleges of Medicine and Pharmacy, using the same laboratories, classrooms, and library, and to a large degree the same pre-clinical faculty.

Graduate courses have been offered in the Chicago departments since 1915. The present work of the Graduate College is described in detail in a separate announcement.

Administration

Under the laws of the state of Illinois, the Board of Trustees of the University of Illinois is composed of eleven members, including the Governor and the Superintendent of Public Instruction who serve *ex officio*, and nine members elected by the people of the state for terms of six years.

Under the University Statutes adopted by the Board of Trustees, the affairs of the University are administered by the President, the Provost, the Vice-President, the Deans and Directors of the Colleges and Schools, and other administrative officers, most of whom are located on the main campus of the University at Urbana. The Chicago departments are organized in three colleges, Dentistry, Medicine, and Pharmacy; each college has its own Dean, and all are under the general supervision of the Vice-President. Graduate courses are under the general supervision of the Dean of the Graduate College at Urbana and the immediate direction of an Associate Dean on the Chicago campus.

The University Senate is composed of members of the faculty who have full professorial rank and others who are in charge of departments, both at Urbana and in Chicago. In Chicago there is a Professorial Faculty composed of all members of the staff of professorial rank, together with a group of designated administrators.

Members of the faculty in each college cooperate with those in other colleges of the University, both in instruction and in research. Staff members of the basic science departments in the College of Medicine give instruction for students of dentistry, medicine, pharmacy, and occupational therapy.

Clinics and Hospitals

The Dental Clinics are on the fifth, seventh, eighth, ninth, twelfth, and thirteenth floors of the east unit of the Dental-Medical-Pharmacy Building. Here each third year and fourth year student is provided with the most modern equipment and performs under careful faculty supervision the required dental operations on patients assigned to him. More than eight thousand patients pass through the Dental Clinics annually.

The Research and Educational Hospital, planned and built for teaching and investigation, connects directly with the classrooms and laboratories of the colleges of Dentistry, Medicine, and Pharmacy. Each year nearly six thousand patients, all charity cases, are admitted. There are seven surgical operating rooms, all with facilities for students, including a large amphitheater, seating nearly two hundred, completely equipped for all types of dental and medical surgery. There is also a well-equipped cancer clinic with a 400,000-volt therapeutic X-ray machine and an adequate supply of radium. The entire hospital is constantly in use for teaching.

The Division of Services for Crippled Children is an independent unit of the University operating a state-wide program of medical, surgical, dental, corrective, and other services and facilities for diagnosis, hospitalization, and aftercare for children who are crippled or who are suffering from conditions which lead to crippling. Its director is responsible to the Vice-President of the University. The Division conducts 120 outpatient diagnostic, orthopaedic, dental, speech and hearing, and treatment clinics throughout the state each year and provides hospitalization in a half dozen medical centers. It maintains close working relationships with the Colleges of Medicine and Dentistry and the Research and Educational Hospitals, where a considerable number of its patients are provided with care. It cooperates also with the State Department of Public Health, the State Department of Public Welfare, the State Superintendent of Public Instruction, the State Division of Vocational Rehabilitation, and the State Commission for Handicapped Children.

The Division's field program is carried out through a staff of orthopaedic nurses who are trained in public health and physical therapy. A special feature of the Division's work is its program of speech and hearing rehabilitation.

Library

The library contains a comprehensive collection of standard and modern works on dental, medical, and pharmaceutical subjects, with over 1,100 current periodicals and more than 110,000 books on the shelves at present. It is

used by professional men throughout the Chicago area, and its service to the University staff and student body is supplemented by loan arrangements with other libraries.

Museums

The College of Dentistry has a museum for the study and demonstration of the ecology of the masticatory structures, containing over one thousand specimens.

The College of Medicine has two museums: the Anatomy Museum, including gross anatomy, histology, embryology, and neurology; and the Pathology Museum, including gross specimens for purposes of instruction of undergraduate and postgraduate students of medicine and dentistry.

Recreational Facilities

The social and recreational center for students, alumni, and faculty members is the Chicago Illini Union Building, 715 South Wood Street. Its facilities include a cafeteria, grill, soda fountain, browsing room, music room, gymnasium, meeting rooms, and game rooms. Intramural sports under a trained director are encouraged, and facilities and equipment are available for softball, touch football, tennis, archery, wrestling, fencing, badminton, basketball, volleyball, shuffleboard, weightlifting, pool, and ping-pong. Through special arrangements, the swimming pools of the nearby Y.M.C.A. and Y.W.C.A. are available to students. Handball for men is also available at the Y.M.C.A. In winter the cement tennis courts are flooded for ice skating.

Requirements for Admission

GENERAL REGULATIONS AND DIRECTIONS

Applications for admission to the College of Dentistry should be addressed to the Examiner and Recorder, 1853 West Polk Street, Chicago 12. Official credentials, covering all collegiate and secondary school work done by the applicants, must be sent directly from each institution attended. Since space limitations make it necessary to restrict enrollment, applicants should have their credentials mailed to the Examiner and Recorder as early as possible. Applications will be received at any time within eleven months before the date for registration. New classes enroll only in the fall, usually late in September.

Veterans may attend under the provisions of Public Law 16 (Rehabilitation), Public Law 346 (G. I. Bill of Rights), or Public Law 550 (Korean G. I. Bill). The veteran should consult the Office of Veterans Administration to apply for the benefits of any of these acts.

Credentials accepted for admission become the property of the University and are kept permanently in the files.

Health Certificates. For each applicant whose previous record meets the requirements for admission, or who appears likely to meet them before the opening of the school year when he desires to enroll, the health officer at the last institution attended will be asked to furnish a certificate concerning the applicant's health, both physical and mental. When the health service of an institution can not supply the desired information, the applicant should have his family physician send in a report on his physical condition. If a student's application for admission is approved at a date so late as to make it impossible to obtain a health certificate before classes begin, he may be registered temporarily pending a satisfactory report from the Health Service.

Physical Examination and the Health Service. Each applicant who is tentatively accepted should arrange with the University Health Service on this campus for a health examination as promptly as possible. It is strongly urged that each applicant visit his own dentist and physician before registration, especially for (1) any needed dental repairs, (2) refraction and fitting for glasses if needed, (3) vaccination against smallpox, (4) typhoid immunization, (5) tetanus immunization, and (6) diphtheria immunization. After registration the student will find it difficult to have these essential things done without loss of time from study.

The Health Service attempts to offer as complete medical care to all students as its facilities permit. Whenever the student has a family physician within reasonable access, the Health Service will cooperate with the personal physician in every way possible.

Selection of Applicants. As the capacity of the College of Dentistry is limited, selection of applicants is necessary. Selection is made by a Committee on Admissions. No student will be considered who is on scholastic probation or who has been dropped for poor scholarship from the last institution attended prior to seeking admission to the University of Illinois. Applicants who meet in full the course and grade-average requirements will be considered by the committee. In selecting applicants, the committee will take into consideration such factors as scholastic records, the schools and colleges previously attended, letters of recommendation, especially from teachers in the laboratory sciences, health records, aptitude tests, and such special examinations as may be determined by the committee. The Committee on Admissions gives preference to candidates who are residents of Illinois. Non-residents must present outstanding scholastic records to be considered. A personal interview with the committee or its representative is desirable for all applicants. Invitations to register will be sent to approved applicants.

Deposit. Each applicant who is assigned a place in any class in the College of Dentistry is required to make a deposit of \$15 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees assessed against him at the time of registration. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. No deposit will be returned unless the applicant notifies the Examiner and Recorder, at least thirty days before the time for registration, that he will not be able to enter. The Examiner and Recorder is authorized to make refunds after that time when, in his judgment, the circumstances so justify.

Renewing Applications. An applicant who has been accepted for admission but fails to enroll, and who wishes to enter in a subsequent year, must reapply for admission and must meet all the requirements in force at the time of his new application.

SPECIAL REQUIREMENTS

In addition to the general regulations and directions as stated above, each applicant for admission to the College of Dentistry must present satisfactory evidence of six years of work as follows:

(1) Four years of work in an accredited high school or the equivalent, comprising not less than fifteen units in acceptable subjects, including prescribed subjects as follows: English, 3 units; algebra, 1 unit; plane geometry, 1 unit; laboratory science, 1 unit.

(2) Two years of work in an approved college of liberal arts and sciences, comprising not less than sixty semester hours, including prescribed subjects as follows:

	HOURS ¹
Chemistry (including four hours of organic and three hours of quantitative analysis).....	12
Physics.....	6
Biology (including general zoology).....	6
English.....	6
Electives (excluding military, hygiene, and physical education)...	30
<i>Total</i>	60

Physical chemistry is strongly recommended as an elective. Since the function of the pre-dental years is to supply a general background for the student as well as specific training in the fundamental concepts of the sciences, it is recommended that the elective hours also include history, economics, sociology, philosophy, and at least one modern language.

The course requirements as stated above must be met in full before admission will be granted. No deficiencies are permitted, but the Committee on

¹ By a *semester hour* is meant the work of a class meeting one hour each week for a semester of eighteen weeks. Sixty semester hours represent ordinarily two years of college work.

Admissions may waive full compliance with the course specifications if the applicant possesses unusually high qualifications.

Grade Requirement. Those students with the highest grade averages are given preference by the Committee on Admissions. Students with averages below 3.0 are not considered.

Dental Aptitude Testing. The College of Dentistry, with the other dental colleges of the country, is participating in a dental aptitude testing program initiated and sponsored by the Council on Dental Education of the American Dental Association and the American Association of Dental Schools. All applicants meeting other requirements for admission are required to take the tests, the results of which will be considered in conjunction with other qualifications. The tests may be taken at any one of forty-two dental colleges and thirty-six other testing centers during October and March. Full information will be sent by the Examiner and Recorder to those applicants whose scholastic records qualify them. A fee of \$10 will be assessed for the tests.

Candidates for the Degree of Bachelor of Science in Dentistry. The pre-dental work of students who wish to be candidates for the degree of Bachelor of Science on the completion of the second year in the College of Dentistry should be distributed as follows:

	HOURS ¹
Chemistry (including four hours of organic and three hours of quantitative analysis).....	12
Physics.....	6
Biology (including general zoology).....	8
English.....	6
German, French, Spanish, or Italian.....	6
Electives (excluding chemistry, physics, and biology).....	6
Free electives (physical chemistry advised).....	<u>16</u>
<i>Total</i>	60

Admission with Advanced Standing. Should there be vacancies in upper classes, students who meet the requirements for admission to the College of Dentistry, and who have studied dentistry for not less than one year in any college accredited by the University of Illinois, may be admitted with advanced standing if deemed acceptable by the Committee on Promotions. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry and to complete the number of years of study essential to meet that requirement. At least two years, preferably three, must be completed in the College of Dentistry. Complete credentials, including a letter of honorable dismissal, are required of any applicant

¹ By a *semester hour* is meant the work of a class meeting one hour each week for a semester of eighteen weeks. Sixty semester hours represent ordinarily two years of college work.

who has previously attended a dental school. Graduates of colleges of medicine accredited by the University of Illinois may be admitted to the College of Dentistry and given credit for all satisfactorily completed courses required in the dental curriculum.

Admission of Unclassified Students. A person twenty-one years of age or over, who has met the requirements for admission, or who is a graduate of a recognized dental school, may be admitted as an unclassified student, to take a partial schedule of work, on approval of the Dean of the College of Dentistry. Any student, however, desiring to establish eligibility to the dental degree will be required to comply with the conditions indicated in the preceding paragraph.

Requirements for Graduation

A candidate for a degree in the College of Dentistry must meet the following general requirements: (1) show evidence of good moral character, (2) pay all indebtedness to the University, (3) obtain passing grades in all courses of the required curriculum, (4) have grades of C or better in at least three-fourths of the total hours taken in the College and counted toward the degree,¹ and (5) have an average of C or better in the total number of hours completed in the College of Dentistry. In addition to these general requirements for graduation, the special requirements for each degree are as follows:

Bachelor of Science in Dentistry. Awarded to students who have completed the first two years of work in the College of Dentistry and who have the proper distribution of entrance credits (see page 15).

Doctor of Dental Surgery. Awarded upon completion of the four-year curriculum in dentistry. At least the last two years must be completed in the College of Dentistry.

HONORS

A student who complies with the requirements for graduation, and who attains in all work presented for the degree the average grade specified below, may be recommended by the University Senate for the honors stated: for an average grade of not less than 4.35, graduation with honors; for an average grade of not less than 4.75, graduation with high honors. The honors awarded are noted on the diploma and in the Commencement program.

¹ Where it is necessary to translate percentages into literal grades, the following values are used: A, 92 to 100%; B, 85 to 91%; C, 75 to 84%; D, 70 to 74%; E, below 70%, failure.

License to Practice in England

The College of Dentistry has long been recognized by the Royal College of Physicians and Surgeons in London. Graduates in dental surgery are exempt from the preliminary examinations and may receive credit for work done in the College of Dentistry toward the curriculum of studies required for the license to practice dentistry in England.

Special Courses for Dentists

Postgraduate courses are offered for practicing dentists who wish to supplement their training in the basic and clinical fields of dentistry or who wish additional instruction in the dental specialties. For complete information see page 37 of this catalog. Copies of a special announcement of Postgraduate Courses may be obtained from the Associate Dean in Charge of Postgraduate Studies, College of Dentistry, 808 South Wood Street, Chicago 12, Illinois.

Graduate Courses

Courses leading to advanced degrees are offered in the departments of Applied Materia Medica and Therapeutics, Histology and Embryology, Oral Pathology, Oral and Maxillofacial Surgery, Orthodontics, and Pedodontics. Complete information on these courses is given in the Announcement of the Graduate College. Copies may be obtained from the Associate Dean of the Graduate College, 1853 West Polk Street, Chicago 12, Illinois.

Fees and Expenses

All fees are payable in full when the student registers. The Board of Trustees of the University reserves the right to change the fees at any time through publication in the announcements of the College.

A schedule of annual fees for regular full-time students in the College of Dentistry is listed below. One-third of each year's fees is payable on registration for each quarter.

	<i>Illinois</i>	<i>Non-Illinois</i>
Tuition Fee.....	\$102.00	\$321.00
Laboratory Fee.....	183.00	252.00
Union Building Service Charge.....	10.50	10.50
<i>Total</i>	<u>\$295.50</u>	<u>\$583.50</u>

Fees for Part-time Students. Residents of Illinois registered for partial programs of two hundred clock hours or less in a quarter in the College of Dentistry pay tuition fees at the rate of \$2.50 for twenty-five clock hours or fraction thereof. Non-Illinois students registered for partial programs pay

\$10. Students taking more than two hundred clock hours in a quarter pay the full tuition fees.

Part-time students in the College of Dentistry pay a laboratory fee based on the portion of the total program being taken. Students taking up to twenty-five per cent of the total program pay one-fourth of the regular laboratory fee; from twenty-five to fifty per cent of the program, one-half of the regular fee; from fifty to seventy-five per cent, three-fourths of the regular fee; over seventy-five per cent, the full laboratory fee.

All students pay the full Union Building service charge.

Fees for Unclassified Students. Fees charged unclassified students are based on the amount of work taken.

Late Registration Fee. Former students who register after the regular registration days in any quarter pay a late registration fee of \$5.

Study-list Change Fee. A fee of \$1 is charged for every study-list change slip issued later than the Saturday noon following the regular registration days. This rule applies also to registration for electives after the dates specified for regular registration.

Summer Fees in Dental Technics and Clinics. Tuition, \$12.50; materials fee, \$12.50; total, \$25. Students registering for half the summer pay half these fees. Students without deficiencies who work in the clinics on a voluntary basis during the summer are exempt from fees.

Service Charge for Deferred Fees. In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 128, Dental-Medical-Pharmacy Building. A service charge of ten per cent of the amount of fees deferred, but not to exceed \$2 a quarter, will be charged for the privilege of deferring fees, and this charge must be paid on the day of registration. If deferred fees are paid in full within ten days after registration, the service charge will be refunded *except* that a minimum service charge of \$1 will be retained by the University in all cases. The service charge, not less than one-third of the current quarter's fees, and all fees and charges from previous terms must be paid on the day of registration. Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes. Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Refunds. If a student withdraws within ten days after the beginning of instruction, his total fees (except the \$15 deposit) will be refunded. After

ten days and before the expiration of one month, a refund of two-thirds of his total fees will be made. After one month and before the expiration of two months, a refund of one-third of these fees will be made. After the expiration of two months, no part of the fees will be refunded.

Auditing Fee. For each twenty-five clock hours or fraction thereof in the College of Dentistry persons not connected with the University who audit pay \$10 if residents of Illinois, or \$40 if nonresidents. Permission to attend must be obtained from the Postgraduate Division, Office of the Associate Dean, and the student must register with the Examiner and Recorder.

Special Examination Fee. For any special examination to remove a failure, the fee is \$5.

Transcript Fee. Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For each additional transcript the fee is 50 cents.

EXPENSES

From one hundred to one hundred fifty dollars a month may be regarded as adequate for the ordinary living expenses of a student in Chicago, exclusive of books, clothing, railroad fare, and miscellaneous needs.

An estimate of the annual expenses for books, materials, and instruments is as follows:

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
Books.....	\$139	\$ 81	\$107	\$ 28
Equipment.....	517	535	89	123
Supplies.....	50	50	30	30
<i>Total.....</i>	<i>\$706</i>	<i>\$666</i>	<i>\$226</i>	<i>\$181</i>

Each student is also required to supply himself with a microscope at the beginning of the first year in the College of Dentistry. The cost or rental of the microscope is in addition to the expense listed in the preceding paragraph. All microscopes must be approved by the Head of the Histology Department. The instruments purchased during the four years constitute a part of the equipment of a dental office. New microscopes, instruments, and supplies may be purchased or microscopes may be rented at the Student Supply Store, which is operated by the University on a non-profit basis as a service to students.

Scholarships, Prizes, and Loan Funds

SCHOLARSHIPS

General Assembly Scholarships. Each member of the General Assembly may make one nomination annually. Nominations must be filed with the

President of the University on or before the opening day of the semester or term of the year in which the scholarships are to become effective. Holders of these scholarships are exempt from the tuition fee but not from other fees.

State Military Scholarships. Acts of the General Assembly provide scholarships for veterans of World War I, World War II, and the Korean war, who are not receiving financial assistance for educational purposes from the federal government and who, at the time of enlistment, were residents of Illinois or students in the University of Illinois. These scholarships exempt the holders from the tuition fees in any department of the University. The General Assembly also has established one scholarship in each county for descendants of veterans of World War I and one scholarship for descendants of veterans of World War II. These scholarships are awarded by competitive examination held on the first Saturday in April.

PRIZES

Noyes Seminar Prize. Dr. Frederick B. Noyes, during his fourteen years as Dean of the College of Dentistry, offered annual prizes for the three best papers written by students in the fourth year seminar, a course in the writing of professional and scientific papers. The first prize was \$25, the second \$15, and the third \$10. At the time of Dean Noyes's retirement in 1940, members of the faculty, alumni, and friends established a fund to continue the annual awards under the name of the Frederick B. Noyes Seminar Prize.

Omicron Kappa Upsilon Membership Awards. Students whose scholastic records place them in the highest twelve per cent of each year's graduating class of the College of Dentistry are awarded membership in Omicron Kappa Upsilon, national honorary dental fraternity. Certificates of merit are awarded the students who have the highest scholastic averages in each of the first, second, and third year classes.

Sigma Xi Prize. A prize of \$25 is awarded annually by the Society of Sigma Xi for the best piece of scientific investigation on the part of any student in the College of Dentistry, the College of Medicine, or the Chicago departments of the Graduate College, who is without a salaried appointment by the Board of Trustees of the University.

LOAN FUNDS

Students are eligible to apply for assistance from the general loan funds of the University which have been established for the benefit of worthy students who have satisfactorily completed at least one year of work in the University and are in need of financial aid in order to finish their courses. Information

concerning these funds and the regulations governing loans may be obtained from the Dean of Student Affairs.

Gallie-Dittmar Student Loan Fund. Emergency loans to students are made from this fund, which is named in honor of the late Doctors D. M. Gallie and G. W. Dittmar, members of the original faculty of the University of Illinois College of Dentistry. The fund has been augmented at various times through gifts from interested individuals.

College Organizations

ALUMNI ASSOCIATION OF THE COLLEGE OF DENTISTRY

President. Arthur Mare '40, 2142 East 98th Street, Chicago.

President-Elect. Joshua S. Vission '31, 4354 West Madison Street, Chicago.

Vice-President. James N. Lynch '37, 529 Main Street, Evanston.

Secretary. Eli Olech '23, 334 Roger Williams Avenue, Ravinia.

Treasurer. Seymour H. Yale '45, 7254 South Euclid Avenue, Chicago.

Representative on General University Alumni Council. Peter A. Wlodkowski '30, 2349 North Western Avenue, Chicago.

OMICRON KAPPA UPSILON

A chapter of Omicron Kappa Upsilon, national honorary dental fraternity, was organized in the College of Dentistry in 1928. Students who, on completion of their dental course, have grades ranking them in the highest twelve per cent of their class are eligible for membership.

Officers for 1952-1953. Waldemar A. Link, President; Arthur Elfenbaum, President-Elect; Charles C. Maurice, Vice-President; D. L. McElroy, Secretary-Treasurer.

Membership Awards in 1951-1952. G. L. Stastny, H. G. Barham, J. R. McIntire, W. R. Swan, Arthur DiDea, C. D. Delluomo, R. E. Gibbs, and G. W. Burkett.

Membership Awards in 1952-1953. L. D. Day, R. E. Going, A. Rosenberg, S. J. Fantozzi, L. Pawlowski, E. R. Ramberg, D. L. Lichtenwalter, and G. L. Michels.

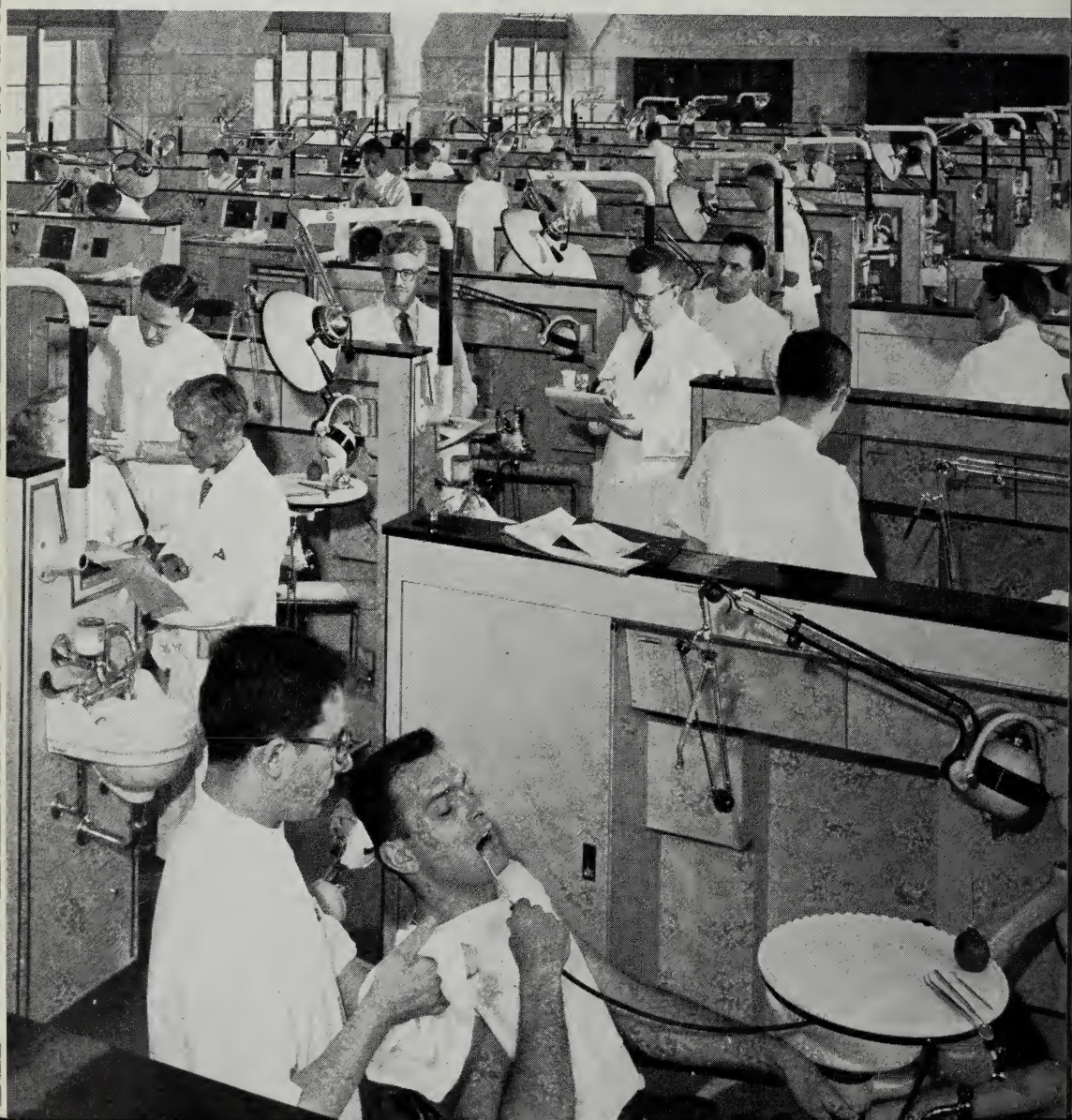
PHI MU PHI

Phi Mu Phi is an honorary musical fraternity open to students of the Chicago Professional Colleges who take an active part in the musical organizations.

Faculty Adviser. George L. Webster.

part 2 *Undergraduate*

The General Operative Clinic



courses

Plan of Instruction

Instruction in the College of Dentistry is offered to candidates for the degree of Doctor of Dental Surgery and to graduate students who may or may not be candidates for higher degrees. The curriculum leading to the degree of Doctor of Dental Surgery extends through four academic years as summarized on page 24. Since dentistry draws upon the same sciences as does medicine, courses in these subjects are taught by the staff of the College of Medicine. The dental student, however, has, in addition, to train himself in the use of his hands so that he may execute the multitude of fine technical operations essential in the treatment of oral disease. For this reason, the related science courses are distributed differently from those in the College of Medicine, although many of the courses are identical, and medical and dental students are together in both lectures and laboratories. Except for the first quarter of the second year, a student in the College of Dentistry is required to carry only two fundamental science courses concurrently; this necessitates the continuation of his fundamental sciences through the third year.

Those courses devoted to the training of the dental student in the technical phases of his work are distributed over the first two years and every effort is made to induce a gradual and thorough development of his skill by so ordering his work that he progresses from the simple to the complex. In order to awaken in him appreciation of the need for careful study of supporting sciences, he is introduced to the clinic by the end of the first quarter of his first year. His training in basic technics and their application in the laboratory continues.

The clinical facilities and equipment in the dental infirmaries are of the most modern design. Fully-equipped operating units are provided in the major clinical departments to simulate the privacy of a dental office.

During the third and fourth years, a student who has shown special aptitude and whose previous work has been of a sufficiently high quality may be permitted to pursue advanced work in any department. If at the end of

Summary of Clock Hours in the College of Dentistry

Subjects	Fall Quarter		Winter Quarter		Spring Quarter		Total
	Didactic	Laboratory or Clinic	Didactic	Laboratory or Clinic	Didactic	Laboratory or Clinic	
FIRST YEAR							
Anatomy, Gross.....	..	..	22	66	22	66	176
Anatomy, Oral.....	11	33	11	33	11	33	132
Biological Chemistry.....	44	55	44	55	..	..	198
Histology, General.....	22	44	..	..	..	..	66
History, Dental and Medical.....	11	..	11	..	11	..	33
Physiology.....	..	..	..	..	44	66	110
Technics and Clinics, Dental.....	11	121	11	111	11	99	364
(Clinics).....	..	(24)	..	(30)	..	(66)	(120)
Total	99	253	99	265	99	264	1,079
SECOND YEAR							
Anatomy of Head and Neck, Applied.....	..	..	..	..	11	..	11
Anatomy, Gross.....	22	66	..	..	..	..	88
Anatomy, Neurology.....	11	22	..	..	..	..	33
Histology, General and Oral.....	..	..	22	44	..	..	66
Histology, Oral.....	..	..	..	..	22	44	66
Materia Medica.....	..	..	..	..	22	..	22
Physiology.....	49	33	33	66	..	..	181
Technics and Clinics, Dental.....	11	132	22	198	11	242	616
(Clinics).....	..	(66)	..	(66)	..	(77)	(209)
Total	93	253	77	308	66	286	1,083
THIRD YEAR							
Anesthesiology.....	11	..	..	..	..	..	11
Bacteriology, General.....	33	66	..	..	..	..	99
Bacteriology, Special.....	..	..	..	..	22	44	66
Clinical Lecture.....	..	..	11	..	..	..	11
Crowns and Fixed Dentures, Clinic.....	..	50	..	50	..	40	140
Dentures, Removable, Clinic.....	..	..	..	..	..	40	40
Diagnosis.....	..	14	..	14	..	14	42
History, Dental and Medical.....	11	..	11	..	11	..	33
Materia Medica.....	..	..	22	..	..	..	22
Operative Dentistry, Clinic.....	..	50	..	50	..	40	140
Oral Surgery, Minor.....	..	..	11	3	11	3	28
Orthodontics.....	11	..	11	..	11	..	33
Pathology, General.....	44	55	44	55	..	..	198
Pathology, Oral.....	..	..	..	..	33	44	77
Pedodontics.....	..	12	..	..	6	16	34
Periodontics.....	..	..	11	..	11	..	22
Preventive Dentistry.....	..	..	..	..	11	..	11
Preventive Medicine.....	..	..	..	..	22	..	22
Radiographic Interpretation.....	..	..	11	..	..	..	11
Radiology.....	..	..	..	7	..	..	7
Therapeutics, Clinic.....	..	50	..	50	..	40	140
Total	110	297	132	229	138	281	1,187
FOURTH YEAR							
Crowns and Fixed Dentures, Clinic.....	..	45	..	45	..	45	135
Dentures, Removable, Clinic.....	..	45	..	45	..	45	135
Diagnosis.....	..	11	11	11	11	11	55
Legal Medicine.....	..	..	..	..	11	..	11
Materia Medica.....	22	..	..	..	..	..	22
Operative Dentistry, Clinic.....	..	45	..	45	..	45	135
Oral Medicine.....	22	..	22	..	22	..	66
Oral Surgery.....	11	8	11	8	11 ¹	8	57
Oral Surgery, Minor.....	..	16	..	16	..	16	48
Orthodontics.....	11	..	11	..	11	..	33
Pathology, Applied Oral.....	11	..	11	..	..	..	22
Pedodontics.....	3	22	..	22	..	22	69
Radiology.....	..	..	..	7	..	..	7
Seminar.....	..	..	22	..	22	..	44
Therapeutics, Clinic.....	..	45	..	45	..	45	135
Total	80	237	88	237	88	244	974
GRAND TOTAL							4,323

¹ Not offered to fourth year students after 1953-1954.

the fourth year the student's application and attainment are regarded as of a sufficiently high character, he may be awarded an honorary research assistantship.

Each year more hospitals are establishing dental internships. Students are urged to take advantage of these opportunities to gain experience before entering private practice, and every effort is made to assist fourth year students in securing such positions for the year following graduation.

The faculty of the College of Dentistry each year nominates and supervises two dental internes for the University of Illinois Research and Educational Hospitals. The College also nominates a candidate for dental internship in the Cook County Hospital.

Courses of Instruction

The following list of courses is in alphabetical order of departments. Names of staff members in each department are listed by rank. The courses offered in each department are listed numerically. In the description of each course, the abbreviations F, W, Sp, and S indicate the fall, winter, spring, and summer quarters, respectively, and the Arabic numerals preceding them indicate the number of one-hour periods required for lecture, recitation, or laboratory each week throughout the quarter unless otherwise stated. Credit is calculated in clock hours.

Anatomy

Professor: Kirschbaum (Head of Department).

Associate Professors: Krehbiel, Plagge.

Assistant Professor: Zimring.

Instructor: LaVelle.

Assistant: Monsen.

REQUIRED COURSES — FIRST YEAR

306. SYSTEMATIC AND REGIONAL ANATOMY. Dissection of the superior extremities, thorax, abdomen, pelvis, and inferior extremities. Lectures and demonstrations, 2; laboratory, two 3-hour periods; W and Sp. KREHBIEL, LA VELLE, MONSEN, PLAGGE, ZIMRING.

REQUIRED COURSES — SECOND YEAR

327. ANATOMY OF HEAD AND NECK. Dissection of head and neck and special consideration of osteology of the skull. Lectures and demonstrations,,

2; laboratory, two 3-hour periods; F. KREHBIEL, LA VELLE, MONSEN, PLAGGE, ZIMRING.

329. NEURO-ANATOMY. Gross and microscopic anatomy of the nervous system; dissection of the brain and examination of stained sections; correlation of structure and function. Lectures and demonstrations, 1; laboratory, one 2-hour period; F. LA VELLE and assistants.

Bacteriology

Professors: Novak (Head of Department), Kempf.

Assistant Professors: Lanni, Meyer, Taylor, Vicher, Zwemer.

Instructor: LeBeau.

Assistants: Baram, Hanson.

The course in bacteriology is offered during the first quarter and continued during the third quarter of the third year. Instruction is based upon a study of fundamental principles involving morphology, physiology, and distribution of bacteria and related organisms. Following a brief study of representative members of nonpathogenic and useful species, the student is introduced to harmful bacteria and the nature of the diseases which they produce together with immunological and serological considerations. Pathogenic fungi, protozoa, and viruses are included in this beginning course, as well as organisms responsible for tropical diseases. Special emphasis is placed on the ubiquitous nature of bacteria so that the student can more readily comprehend epidemiological problems and the host-parasite relationship in subsequent courses. Practical dental bacteriology is stressed in the third quarter.

REQUIRED COURSES — THIRD YEAR

320. BACTERIOLOGY AND RELATED MICROBIOLOGY. A study of the general morphology, metabolism, serology, and pathogenicity of the important microbial agents of communicable diseases; action of germicidal agents, sulfonamides, penicillin, streptomycin, and other antibiotics; factors in parasitic offense, and mechanisms of host defense; detailed consideration of pathogenic cocci. Lecture, 3; laboratory, 6; F. NOVAK and others.

325. BACTERIOLOGY AND RELATED MICROBIOLOGY. Continuation of course 320. Detailed consideration of viruses, pathogenic fungi, spirochetes, rickettsia, and other microbial agents of disease; serological methods and routine hospital laboratory procedures applicable to diagnosis of communicable

diseases; practical dental bacteriology. Lecture, 2; laboratory, 2; Sp. KEMPF, LANNI, LE BEAU, MEYER, TAYLOR, VICHER, ZWEMER, and others.

Biological Chemistry

Professor: Winzler (Head of Department).

Assistant Professors: Abood, Goodman, Johnson, Zwemer.

REQUIRED COURSES — FIRST YEAR

301. BIOLOGICAL CHEMISTRY. Chemistry of the constituents of tissues and body fluids, and current methods for their qualitative and quantitative determination; digestion, absorption, and intermediary metabolism of lipids, proteins, and carbohydrates in health and disease, and the role of hormones, vitamins, and enzymes in the regulation of these processes; the application of this knowledge to the problems of disease. Lectures, conferences, and laboratory, 9 hours each week; F. Members of the staff.

302. BIOLOGICAL CHEMISTRY. Continuation of course 301. Lectures, conferences, and laboratory, 9 hours each week; W. Members of the staff.

Dental Technics and Clinics

Professors: Kubacki (Director of Clinics), Kellogg (*Emeritus*), Kesel, Spence, Tylman, Wallace.

Associate Professors: Bazola, Elfenbaum, Ulloa, Wach (*Emeritus*).

Assistant Professors: Barber, Gagnon, Grunwald (on leave of absence for military service), Krejci (*Emeritus*), Kurtz, Levy, Link, Maurice, Sreebny, Underwood, Yale (on leave of absence for military service).

Instructors: Bear, D. Berman, J. Berman, Brown, Ellingson, Flores, Gratzinger, Jacobs, Klavan, Lipe, McElroy, Pelka, Pope, Pracyk (on leave of absence for military service), Tanner.

Assistants: Donovan, Feicht, Genaze, Hill, Lichtenwalter, Rankin, Savage, Stastny, Stone.

REQUIRED COURSES — FIRST YEAR

301. BASIC TECHNIQS. A course designed to give the beginning dental student experience in the handling of dental materials and to afford him practice in the basic principles of laboratory procedures. Lecture and laboratory, 12 (nine weeks); clinic, 12 (two weeks); F. KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

302. DENTAL TECHNICS AND CLINICS. Principles of full and removable partial denture technics. Clinical practice in taking impressions and developing records of children and in constructing full dentures for adults. Lecture and laboratory, 12 (six weeks), 4 (five weeks); lecture, demonstration, and clinic (students assigned in groups), 6 (five weeks); W. BARBER, ELFENBAUM, KESEL, KUBACKI, SPENCE, and members of the clinical staff.

303. DENTAL TECHNICS AND CLINICS. Principles of removable partial denture technics. Clinical practice, continuation of course 302; prophylaxis. Lecture and laboratory, 4; lecture, demonstration, and clinic (students assigned in groups), 6; Sp. BARBER, ELFENBAUM, KESEL, KUBACKI, MAURICE, SPENCE, and members of the clinical staff.

REQUIRED COURSES — SECOND YEAR

325. DENTAL TECHNICS AND CLINICS. Theory of the etiology and treatment of dental caries; restorations on models and manikins. Clinical practice in removable partial dentures, pedodontics, oral examination, prophylaxis, and radiology. Lecture and laboratory, 7; clinic (students assigned in groups), 6; F. BARBER, DONOVAN, ELFENBAUM, KESEL, KUBACKI, MAURICE, SPENCE, and members of the clinical staff.

326. DENTAL TECHNICS AND CLINICS. Continuation of the technics of treating dental caries; restorations on models and manikins. Technics of root canal therapy. Clinical practice, continuation of course 325. Lecture and laboratory, 14; clinic (students assigned in groups), 6; W. BARBER, DONOVAN, ELFENBAUM, KESEL, KUBACKI, MAURICE, SPENCE, and members of the clinical staff.

327. DENTAL TECHNICS AND CLINICS. Technics of the construction of crowns and fixed partial dentures. Clinical practice in operative restorations, root canal therapy, and treatment of periodontia. Lecture and laboratory, 16; clinic (students assigned in groups), 7; Sp. BAZOLA, ELFENBAUM, KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

329. MATERIA MEDICA AND THERAPEUTICS. Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; Sp. WALLACE.

REQUIRED COURSES — THIRD YEAR

352. MATERIA MEDICA AND THERAPEUTICS. Continuation of course 329. Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; W. WALLACE.

354. PERIODONTICS. Etiology, pathology, and treatment of diseases of the investing tissues of the teeth and of other oral tissues. Lecture, 1; W and Sp. KESEL, SREEBNY, and members of the clinical staff.

355. PREVENTIVE DENTISTRY AND PUBLIC HEALTH. Measures for prevention of dental disease. The oral flora and its relation to disease. Technic of oral hygiene. Relation of the dentist to public health problems. Lecture, 1; Sp. ELLINGSON, KESEL, MAURICE, WALLACE.

357. DIAGNOSIS. Clinic and conference. Clinic (students assigned in groups), 3 each quarter; clinical conference, 1; continuous through F, W, and Sp. ELFENBAUM and members of the clinical staff.

361. CLINICAL PRACTICE. Principles of practice with increasing emphasis on examination, diagnosis, and treatment planning. Restorations and replacements of lost tooth structure. Treatment of the periodontal tissues; management of root canals. Conferences and demonstrations to groups, continuous through F, W, and Sp; lecture, 1, W. KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

REQUIRED COURSES — FOURTH YEAR

375. MATERIA MEDICA AND THERAPEUTICS. Continuation of course 352. Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; F. WALLACE.

377. APPLIED ORAL PATHOLOGY. Dental hypoplasias, erosion, and caries. Pathology and treatment of diseases of the dental pulp and periapical tissue. Tissue reactions in periapical region following pulp removal. Lecture, 1; F and W. KESEL.

379. DIAGNOSIS. Lecture and conference. Lecture, 1, W and Sp; clinical conference, 1, continuous through F, W, and Sp. ELFENBAUM and members of the clinical staff.

381. CLINICAL PRACTICE. Continuation of course 361, with emphasis on study of the patient. Greater responsibility for the management of cases is placed on the student to encourage the development of individual judgment, initiative, and responsibility. KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

Histology and Embryology

Professor: Schour (Head of Department).

Assistant Professors: DuBrul, Gagnon, Gillette, James.

Assistants: Rabin, Weider.

REQUIRED COURSES — FIRST YEAR

301. ORAL ANATOMY. A study of the facial structures of man with special attention to the masticatory mechanisms. The approaches to the problem presented are those of functional anatomy, and of the organism as a product of organic evolution. Lecture or quiz, 1; laboratory, one 3-hour period; continuous through F, W, and Sp. BEAR, DU BRUL, GAGNON, ULLOA, WEIDER.

305. GENERAL HISTOLOGY. Cell structure; relation of cells and intercellular substances; the elementary tissues; the histology of the organs of the circulatory and respiratory systems; the skin and its appendages, and the oral cavity. Lecture or quiz, 2; laboratory, two 2-hour periods; F. GAGNON, GILLETTE, JAMES, RABIN, SCHOUR.

REQUIRED COURSES — SECOND YEAR

328. GENERAL HISTOLOGY AND DENTAL EMBRYOLOGY AND HISTOLOGY. Histology of the organs of the alimentary, genito-urinary, and endocrine systems; the embryology of the tooth and its investing apparatus in terms of growth and calcification. The structure of the dental tissues. Lecture or quiz, 2; laboratory, two 2-hour periods; W. GAGNON, GILLETTE, JAMES, RABIN, SCHOUR.

329. ORAL HISTOLOGY AND EMBRYOLOGY. The development of the face and oral cavity. The structure of the oral tissues and organs. Histophysiologic aspects of clinical dentistry. Lecture or quiz, 2; laboratory, two 2-hour periods; Sp. GAGNON, GILLETTE, JAMES, RABIN, SCHOUR.

Medical and Dental History

Associate Professor: Talbot.

REQUIRED COURSES — FIRST YEAR

321. HISTORY OF MEDICINE AND DENTISTRY. Lecture, 1; continuous through F, W, and Sp.

REQUIRED COURSES — THIRD YEAR

351. HISTORY OF MEDICINE AND DENTISTRY. Lecture, 1; continuous through F, W, and Sp.

REQUIRED COURSES — FOURTH YEAR

376. SEMINAR. Consultations on the preparation of scientific papers. Presentation and discussion of papers, 2; W and Sp.

Medicine

Professors: Dowling (Head of Department), Massler (Pedodontics).

REQUIRED COURSES — FOURTH YEAR

381. ORAL MEDICINE. Correlation of medical and dental aspects of disease. Lecture and clinical demonstrations, 2; continuous through F, W, and Sp. MASSLER and guest lecturers.

Preventive Medicine

Associate Professors: Jackson, Lepper (in charge), Rosenthal.

Assistant Professors: Blatt, Hull, Press, Ruhe.

REQUIRED COURSES — THIRD YEAR

330. PREVENTIVE MEDICINE AND PUBLIC HEALTH. Same as Public Health 330. Principles of the prevention of disease and the relation of the practicing physician to public health agencies. Lectures and demonstrations, 2; Sp. LEPPER and staff.

Oral and Maxillofacial Surgery

Professors: Sarnat (Head of Department), Olech.

Assistant Professors: DuBrul, Laskin.

Instructors: Rieke, Robinson.

REQUIRED COURSES — THIRD YEAR

351. ANESTHESIOLOGY. Local and general anesthesiology. A review of the history of anesthesia, the regional anatomy with particular reference to the nerve supply and osteology of the mandible and maxilla. The principles and technics fundamental to securing local and general anesthesia, as well as agents employed, pharmacologic action, and chemical composition. Lecture, 1; F. OLECH.

352. MINOR ORAL SURGERY. Introduction to exodontia and minor oral surgery. Lecture, 1; clinic (students assigned in groups), 3 hours each quarter; W and Sp. DU BRUL, LASKIN, OLECH, RIEKE, ROBINSON, SARNAT, and others.

REQUIRED COURSES — FOURTH YEAR

375. ORAL AND MAXILLOFACIAL SURGERY. Fundamental principles of general surgery. Diagnosis and treatment of congenital deformities, traumatic, inflammatory and neoplastic lesions of the oral cavity and adjacent structures. Clinical demonstration of the more difficult cases. Lecture, 1; clinic (students assigned in groups), one 2-hour period (four weeks); continuous through F, W, and Sp. DU BRUL, OLECH, RIEKE, SARNAT, and others.

379. MINOR ORAL SURGERY CLINIC. Exodontia and minor oral surgery. History taking, oral examination, preoperative and postoperative roentgenographic examination, diagnosis, aseptic technic, instrumentarium, operative technic, postoperative care and treatment of complications. Demonstration of administration of nitrous oxide and oxygen anesthesia. Four 4-hour periods each quarter; (students assigned in groups); continuous through F, W, and Sp. DU BRUL, LASKIN, OLECH, RIEKE, ROBINSON, and others.

Orthodontics

Professors: Brodie (Head of Department), Downs, Noyes (*Emeritus*).

Associate Professors: Engel, Renfroe.

Instructor: Subtelny (on leave of absence for military service).

REQUIRED COURSES — SECOND YEAR

329. APPLIED ANATOMY OF THE HEAD AND NECK. Brief review of principles of organic evolution with particular reference to the skeleton. Review of osteology of head and neck with special attention to the significance of bone design in relation to function. Analysis of muscular forces operating in the dental region. Lecture, 1; Sp. BRODIE.

REQUIRED COURSES — THIRD YEAR

351. ORTHODONTICS. Methodology of growth studies; growth and development of the head and neck; orthopedic principles; etiology of malocclusion; diagnosis and case analysis. Lecture, 1; continuous through F, W, and Sp. BRODIE.

REQUIRED COURSES — FOURTH YEAR

375. ORTHODONTICS. History of orthodontics; development of appliances and treatment methods; principles of treatment; effects of treatment on dental tissues; possibilities, limitations, and results of treatment. Lecture, 1; F. BRODIE.

378. ORTHODONTICS. Presentation of cases showing records taken, analysis, prognosis, treatment, and results. Lecture and student conference, 1; W and Sp. ENGEL.

Pathology

Professors: Bennett (Head of Department), Davis (*Emeritus*), Hass, Krakower, Levinson, Saphir, Weinmann (Head of Division of Oral Pathology).

Associate Professors: King, Milles, Nedzel, Pirani.

Assistant Professors: Bhaskar (Oral Pathology), Fuller, Grimm, Johnson, Learner, Mason, McGrew, Thompson.

Instructors: Dallenbach, Rosen (Oral Pathology), Slominski.

Lecturer: Mullaney.

REQUIRED COURSES — THIRD YEAR

351. GENERAL AND SPECIAL PATHOLOGY. The basic principles of pathologic processes, including tissue injury and repair, inflammation, circulatory disturbances, retrograde processes and tissue responses to specific infectious agents and neoplasms, are considered in the first part of this course. In the latter part of the course, the disease processes affecting each organ and anatomic system are considered in greater detail. Postmortem examinations with student assistance are conducted before the class. Lectures, demonstrations, quiz conferences, autopsies, and laboratory, 9 hours each week; F and W. BENNETT, BHASKAR, MC GREW, NEDZEL, WEINMANN, and staff.

353. ORAL PATHOLOGY. Lecture, recitation, demonstration, 3; laboratory, two 2-hour periods; Sp. BHASKAR, WEINMANN, and staff.

REQUIRED COURSES — FOURTH YEAR

376. LEGAL MEDICINE. Principles of law governing individual and professional rights and obligations; rights and obligations arising from the relationship of doctor and patient and their enforcement in court; expert testimony; state medical and dental statutes and general law. Lecture, 1; Sp. MULLANEY.

Pedodontics

Professor: Massler (Head of Department).

Associate Professor: Gerlach.

Assistant Professor: Barber.

Instructor: Atterbury.

Assistants: Eklund, Rogers, Torch.

REQUIRED COURSES — THIRD YEAR

361. PEDODONTICS. Applied technics. Prophylaxis, mouth hygiene, caries control methods, X-ray interpretation, diagnosis and cavity preparation for deciduous teeth. Laboratory (students assigned in groups), three 4-hour periods, F; lecture, 1 (six weeks), Sp; clinic (students assigned in groups), 16, Sp. BARBER, GERLACH, and staff.

REQUIRED COURSES — FOURTH YEAR

381. PEDODONTICS. Clinical operative, restorative, and therapeutic care of children's teeth. Principles of space maintenance. Management of child patient. Lecture, 1 (three weeks), F; clinic (students assigned in groups), 22 hours each quarter, continuous through F, W, and Sp. GERLACH.

Physical Education

Instructor: Brown.

PHYSICAL EDUCATION PRACTICE. The measurement, development, and maintenance of physical fitness in accordance with each student's needs and abilities.

In addition to the work offered in Physical Education, an extensive intramural athletic program for men is in operation. Intercollegiate athletics are limited to basketball and tennis. A small gymnasium, athletic field, and two tennis courts are open daily. Recreational swimming and handball are offered free to male students at the Duncan Y.M.C.A. Women students have access to archery, table tennis, tennis, badminton, and shuffleboard equipment at the Illini Union Building.

Physiology

Professors: Wakerlin (Head of Department), Bachem, Gerard, Guillemin, Reed.

Professorial Lecturers: Crandall, Himwich, Hoffman.

Associate Professors: Darrow, Ingraham, Marbarger, Schiller, Whitehorn.

Assistant Professors: Alpert, Greenberg.

Instructors: Schwartz, Sevy.

Assistants: Frank, Hendley, Ullrick.

REQUIRED COURSES — FIRST YEAR

324. HUMAN PHYSIOLOGY. Physiology of blood, circulation, and respiration. Lectures, quiz-conferences, demonstrations, and laboratory, 10 hours each week; Sp. BACHEM, GREENBERG, INGRAHAM, MARBARGER, REED, SCHILLER, SCHWARTZ, SEVY, WAKERLIN, WHITEHORN, and others.

REQUIRED COURSES — SECOND YEAR

325. HUMAN PHYSIOLOGY. Continuation of course 324. Physiology of digestion, excretion, endocrines, nutrition, metabolism, and heat regulation. Lectures, quiz-conferences, demonstrations, and laboratory, 7 hours each week; F. BACHEM, GREENBERG, INGRAHAM, MARBARGER, REED, SCHILLER, SCHWARTZ, SEVY, WAKERLIN, WHITEHORN, and others.

326. HUMAN PHYSIOLOGY. Continuation of course 325. Physiology of muscle and nerve, central nervous system and senses. Lectures, quiz-conferences, demonstrations, and laboratory, 9 hours each week; W. BACHEM, GREENBERG, INGRAHAM, MARBARGER, REED, SCHILLER, SCHWARTZ, SEVY, WAKERLIN, WHITEHORN, and others.

Radiology

Instructor: Donovan.

REQUIRED COURSES — THIRD YEAR

350. RADIOLOGY. Technic and clinical practice. Demonstrations and conferences (students assigned in groups), 7; W. DONOVAN.

353. RADIOGRAPHIC INTERPRETATION. Basic principles of radiographic technic. Indications for standard and undistorted technics. Limitations and advantages of radiographic examination. Radiographic characteristics of normal and pathologic conditions of oral structures. Dental applications of atomic energy. Lecture and quiz, 1; W.

REQUIRED COURSES — FOURTH YEAR

376. RADIOLOGY. Continuation of course 350. Demonstrations and conferences (students assigned in groups), 7; Sp. DONOVAN.

part 3 *Postgraduate*

A Research Laboratory



Courses

Postgraduate courses in the College of Dentistry are organized under the direction of the Associate Dean in Charge of Postgraduate Studies. The faculty consists of members of the faculties of the College of Dentistry, of the College of Medicine, and of other institutions in Chicago and elsewhere.

These postgraduate courses are planned for dentists who wish to supplement their education in basic and clinical fields of dentistry. Certain programs (Oral Surgery, Orthodontics, and Pedodontics) may be planned as preliminaries toward the degree of Master of Science. No other postgraduate courses are accepted by the Graduate College toward advanced degrees, but the University keeps a record of the registration and progress of each enrollee.

From time to time announcements will be made of additional courses.

Certificate. A certificate is granted upon the satisfactory completion of a full-time program of at least nine months' duration.

Admission Requirements. Applicants must hold the degree of Doctor of Dental Surgery or its equivalent.

Application for registration must be made in writing, accompanied by payment of tuition fee, or \$25 deposit. For full-time programs, a transcript of the applicant's dental school record and at least one letter of recommendation from a faculty member should be submitted.

An application form is enclosed (page 49). Registration is limited, and applications will be considered in the order in which they are received.

Students from Foreign Countries. Applications from foreign students of special ability will be considered. Proficiency in reading, speaking, and understanding English is essential. The twelve-week refresher and survey program is a prerequisite for extended instruction and training in American clinical methods. Exceptions may be made only in special circumstances where the applicant's previous education and experience can be accurately evaluated.

Additional information may be obtained by writing to the Associate Dean in Charge of Postgraduate Studies, College of Dentistry, 808 South Wood Street, Chicago 12, Illinois.

Fees

Twelve-week program (three months).....	\$150
One-week courses	25
Two-, three-, or four-week courses.....	50
Short lecture and demonstration courses:	
Evening courses (two hours weekly).....	25
One- to four-day courses (television courses included)....	25
Full-time postgraduate program, per month.....	50

Textbooks, Supplies, and Equipment. Students will purchase textbooks, precious metals, and other expendable materials. Equipment will be lent to students enrolled in the short postgraduate courses. All others must furnish such equipment as may be required for the specific course or courses indicated.

Refresher and Survey Program

TWELVE-WEEK PROGRAM

P.G. 301-307. TWELVE-WEEK REFRESHER AND SURVEY PROGRAM. This course is planned as a review of both the biologic and clinical phases of dentistry and includes didactic and clinical instruction in operative dentistry, crown and bridge, complete and partial dentures, root canal therapy, periodontics, pedodontics, oral surgery, oral pathology, and oral diagnosis. The program constitutes a return to college for a three-month period of intensive study with special emphasis on recent technical and therapeutic advances. Instruction includes lectures, seminars, demonstrations, and clinic. The program provides instruction in essentially every phase of dentistry except orthodontics, and has proved especially helpful to recently released dental officers and to graduates of foreign dental schools. The program consists of 420 hours and is limited to six students.

ONE- TO THREE-WEEK COURSES

These courses are component parts of the twelve-week program and may, in case of vacancy, be elected as single units or in combinations to meet individual needs and interests of the student.

	<i>Fall, 1953</i>	<i>Fall, 1954</i>	<i>Fall, 1955</i>
P.G. 301. Complete Dentures.....	Sept. 8-25	Sept. 7-24	Sept. 6-23
P.G. 302. Partial Dentures.....	Sept. 28-Oct. 2	Sept. 27-Oct. 1	Sept. 26-30
P.G. 303. Operative Dentistry....	Oct. 5-9	Oct. 4-8	Oct. 3-7
P.G. 304. Dentistry for Children..	Oct. 12-16	Oct. 11-15	Oct. 10-14
P.G. 305. Oral Surgery.....	Oct. 19-30	Oct. 18-29	Oct. 17-28
P.G. 306. Root Canal Surgery and Periodontics.....	Nov. 16-27	Nov. 1-12	Oct. 31-Nov. 11
P.G. 307. Crowns and Fixed Partial Dentures.....	Nov. 2-13	Nov. 15-26	Nov. 14-25

P.G. 301. COMPLETE DENTURES. (Three weeks). Review of the principles involved in full denture service. Analysis of the edentulous patient, with consideration of the restoration of masticatory function by artificial substitutes. Construction of a complete denture for an edentulous patient by each student. Lectures, demonstrations, and clinic; 105 hours. Professor KUBACKI and staff.

P.G. 302. PARTIAL DENTURES. (One week). Essential steps in mouth preparation, design, and planning of various types of direct retainers according to mouth condition. Review and application of the anatomy and physiology of the dental structures and their supporting tissues. Design and construction of a one-piece casting of a removable partial denture by each student. Lectures, motion pictures, demonstrations, conferences, laboratory, and clinic; 35 hours. Professor KUBACKI and staff.

P.G. 303. OPERATIVE DENTISTRY. (One week). Review of the principles of cavity preparation and of the materials used for restorations. Lectures, demonstrations, conferences, and various types of restorations on manikins; 35 hours. Professor SPENCE, Assistant Professor LINK, and others.

P.G. 304. DENTISTRY FOR CHILDREN. (One week). Instruction in caries control methods, pulp treatments for deciduous and permanent teeth, and cavity preparations. Technics for space maintainers and bite-planes. Management of child in dental office. Lectures, demonstrations, and clinics; 35 hours. Associate Professor GERLACH and others.

P.G. 305. ORAL SURGERY. (Two weeks). Designed primarily for the general practitioner. Didactic and clinical instruction in oral examination and diagnosis. Essentials of oral and maxillofacial surgery. Consideration of the pathologic processes of oral diseases. Participation by student in the exodontia clinic. Demonstrations of the more difficult cases by the staff; 70 hours. Professors OLECH and SARNAT, Assistant Professors DU BRUL and LASKIN, and others.

P.G. 306. ROOT CANAL SURGERY AND PERIODONTICS. (Two weeks). Fundamental principles upon which root canal and periodontal therapy are based. Opportunity for treatment of patients. Lectures, seminars, and clinics; 70 hours. Professor KESEL, Assistant Professors MAURICE and SREEBNY, Doctors BERMAN, GRATZINGER, and MC ELROY.

P.G. 307. CROWNS AND FIXED PARTIAL DENTURES. (Two weeks). Biologic and mechanical principles in crown and bridge construction. Evaluation of bridge retainers. Direct and indirect methods of casting bridge retainers. Manipulation of hydrocolloid materials, waxes, gold alloys, and investments, veneer crowns, porcelain and cast gold types. Application of acrylic resins. Lectures, demonstrations, and laboratory; 70 hours. Professor TYLMAN, Associate Professor BAZOLA, and staff.

Extended Instruction in Clinical Fields

Upon satisfactory completion of the twelve-week program, its component courses may be available to specially qualified students on a more advanced and extended basis for a period of one to ten months, subject to approval by the head of the department concerned. These courses may be submitted as partial requirements of specialty boards. Certificates will be granted to post-graduate students who have satisfactorily completed at least nine months of instruction, including the twelve-week program.

P.G. 311. COMPLETE DENTURES. Advanced extension of P.G. 301. Theory and methods of restoring the masticatory mechanism of the edentulous patient with special emphasis on centric registration, correct vertical dimension, and balanced occlusion. Application of the biologic aspects of complete denture prosthesis to clinical treatment. Construction of complete upper and lower dentures for patients. Lectures, demonstrations, clinical instruction, motion pictures, and conferences. Professor KUBACKI and staff.

P.G. 312. PARTIAL DENTURES. Advanced extension of P.G. 302, with special attention to more difficult types of removable partial dentures. Lectures, motion pictures, demonstrations, conferences, laboratory, and clinic. Professor KUBACKI and staff.

P.G. 313. OPERATIVE DENTISTRY. Advanced extension of P.G. 303, with clinical demonstrations and practice. Lectures, demonstrations, and conferences. Professor SPENCE, Assistant Professor LINK, and others.

P.G. 314. DENTISTRY FOR CHILDREN. Advanced extension of P.G. 304, with instruction in caries control methods; pulp therapy for deciduous and permanent teeth; cavity preparations; technics for space maintainers and bite-planes; management of child in dental office. Lectures, demonstrations, and clinic. Associate Professor GERLACH and others.

P.G. 315. ROOT CANAL SURGERY. Advanced extension of P.G. 306. Fundamental principles of root canal therapy. Treatment of patients under supervision. Lectures, seminars, and clinics. Professor KESEL and staff.

P.G. 316. CLINICAL PERIODONTICS. Advanced extension of P.G. 306. Theory and practice of periodontology. Opportunity for treatment of patients with periodontal diseases. Lectures, seminars, and clinics. Professor KESEL, Assistant Professor SREEBNY, and Doctor GRATZINGER.

P.G. 317. CROWNS AND FIXED PARTIAL DENTURES. Advanced extension of P.G. 307, with the addition of complete oral rehabilitation, dental ceramics, and somatoprosthesis. Lectures, demonstrations, and laboratory. Professor TYLMAN, Associate Professor BAZOLA, and staff.

Basic Science Program

P.G. 319. BASIC SCIENCE PROGRAM. This program is designed to review the basic sciences and coordinate them with clinical dentistry. It is especially designed for dentists who wish instruction preparatory to specialized training in dental teaching and administration. The teaching staffs of the clinical and preclinical departments are jointly utilized. Anatomy, histology, pathology, and other science subjects may be included as well as selected departmental seminars. Each program is arranged on a basis of individual needs. Lectures, seminars, laboratory instruction, and demonstrations. One month or longer; F, W, and Sp.

Advanced Courses

Advanced courses in Oral Histology, Oral Pathology, Oral Surgery, Orthodontics, and Pedodontics are available for qualified applicants. These courses may be submitted as partial requirements of specialty boards. Upon satisfactory completion of a postgraduate program of nine months or longer, the student will receive a certificate. In addition he may, with faculty approval, transfer to the Graduate College. The completion of nine units of graduate studies, including a meritorious investigation and thesis, may lead to the degree of Master of Science. (See Graduate College Catalog.)

Candidates may earn three units of graduate credit per quarter (three months each) by full-time attendance. Part-time attendance is permitted in certain cases after approval by the head of the department concerned, and is accredited according to the proportionate amount of time.

ORAL HISTOLOGY

P.G. 320. GENERAL HISTOLOGY. Cell structure; relation of cells and inter-cellular substances; the elementary tissues; the histology of the organs of the circulatory and respiratory systems; the skin and its appendages, and the oral cavity. Lecture or quiz, 2; laboratory, two 2-hour periods; F. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professors GAGNON and JAMES.

P.G. 321. GENERAL HISTOLOGY AND DENTAL EMBRYOLOGY AND HISTOLOGY. Histology of the organs of the alimentary, genito-urinary, and endocrine systems; the embryology of the tooth and its investing apparatus in terms of growth and calcification. The structure of the dental tissues. Lecture or quiz, 2; laboratory, two 2-hour periods; W. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professors GAGNON and JAMES.

P.G. 322. ORAL HISTOLOGY AND EMBRYOLOGY. The development of the face and oral cavity; the structure of the oral tissues and organs; histophysiologic aspects of clinical dentistry. Lecture or quiz, 2; laboratory, two 2-hour periods; Sp. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professors GAGNON and JAMES.

P.G. 323. ADVANCED ORAL HISTOLOGY. (Part of Graduate Histology 401.) Special subjects and problems in oral histology and oral pathology: development of face and dental apparatus; histophysiology of enamel, dentin, and pulp; caries and pulpal disease. Lectures, discussions, and laboratory; F. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professor BHASKAR, and staff.

P.G. 324. ADVANCED ORAL HISTOLOGY. (Part of Graduate Histology 401.) Special subjects and problems in oral histology and oral pathology: histophysiology of the periodontal structures and soft oral structure; gingiva, cementum, periodontal membrane, alveolar bone; periodontal diseases; oral mucosa; tongue. Lectures, discussions, and laboratory; W. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professor BHASKAR, and staff.

P.G. 325. ADVANCED ORAL HISTOLOGY. (Part of Graduate Histology 401.) Special subjects and problems in oral histology and oral pathology: histophysiology and histopathology of bone; developmental disturbances; fractures, adaptational changes; influence of endocrines and vitamins on teeth and jaws. Lectures, discussions, and laboratory; Sp. One-half unit. Professors SCHOUR and WEINMANN, Assistant Professor BHASKAR, and staff.

P.G. 323-5 D. WORKSHOP IN ORAL HISTOLOGY. Four-day course. Primarily for teachers or prospective teachers in this field. Professor SCHOUR and staff.

P.G. 326. ORAL HISTOLOGY RESEARCH. (Same as Graduate Histology 493.) S, F, W, and Sp. One to three units. Professors SCHOUR, WEINMANN, and staff.

ORAL PATHOLOGY

P.G. 327. GENERAL PATHOLOGY. (Same as Undergraduate Pathology 351). The basic principles of pathologic processes. Disease processes affecting each organ and anatomic system. Lectures, demonstrations, quiz conferences, autopsies, and laboratory, 9 hours each week; F and W. Professor BENNETT and staff

P.G. 328. ORAL PATHOLOGY. Lecture and demonstration, 3; laboratory instruction, two 2-hour periods; S, F, W, and Sp. One unit. Professor WEINMANN and staff.

ORAL SURGERY

P.G. 331. ORAL SURGERY CLINIC. Clinical instruction and practice in minor oral surgery. Diagnosis and treatment of congenital deformities, traumatic and inflammatory lesions, and neoplasms of the oral cavity and related structures. S, F, W, and Sp. One to two units. Professor SARNAT and staff.

P.G. 332. ORAL SURGERY SEMINAR. Seminar discussions and individual assignments of special subjects of clinical and basic research interest. F, W, and Sp. One-half unit per year. Professor SARNAT and staff.

P.G. 333. ORAL SURGERY RESEARCH. (Same as Graduate Oral and Maxillofacial Surgery 493.) The student will pursue an original investigation related to oral surgery. S, F, W, and Sp. One to two units. Professor SARNAT and staff.

P.G. 334. ANESTHESIA. Clinical and didactic teaching on routine cases treated in the operating rooms at Research and Educational Hospitals, with special emphasis on problems of oral surgery. Six months or more. Professor SADOVE and staff.

ORTHODONTICS

The following courses, with the exception of P.G. 337, are available only to students who take the entire prescribed program in orthodontics.

P.G. 335. ORTHODONTIC TECHNIQS. Impression taking in plaster and alginate; pouring, trimming, and marking of models; filing; free-hand soldering; band and arch forming; appliance manipulation. F and W. One unit. Professors BRODIE and DOWNS, Associate Professor RENFROE.

P.G. 336. ORTHODONTIC CLINIC. (Part of Graduate Orthodontics 401.) Record taking; analysis of malocclusion; treatment planning; making and placing of appliances; treatment of malocclusion. W, Sp, S, and F. One unit. Professors BRODIE and DOWNS, Associate Professor RENFROE.

P.G. 337. ORTHODONTIC SEMINAR. (Part of Graduate Orthodontics 402.) An intensive seminar course covering three quarters and including the study of phylogeny of teeth, jaws, and head, comparative anatomy and physiology of the dental apparatus, applied functional anatomy and physiology of the human masticatory mechanism, growth and development of the head skeleton and of the human dentition, both normal and abnormal, and the etiology of malocclusion. F, W, and Sp. One-quarter unit. Professor BRODIE.

P.G. 338. DIAGNOSIS AND ANALYSIS OF MALOCCLUSION. (Part of Graduate Orthodontics 402.) Seminars devoted to presentations by the student of all cases being treated in the clinic. Submission of all clinical records and his-

tories with their analyses and suggested treatments. F, W, Sp, and S. One-half unit. Professors BRODIE and DOWNS.

P.G. 339. RESEARCH IN ORTHODONTICS. (Same as Graduate Orthodontics 493). Individual research problems in orthodontics or related fields. S, F, and W. One to three units. Professor BRODIE.

ANATOMY

P.G. 340. GROSS ANATOMY. (Same as Graduate Anatomy 403.) Anatomy of the human head and neck. Sp. One unit. Professor KIRSCHBAUM and staff.

PEDODONTICS

P.G. 341. PEDODONTIC TECHNIQS. Basic and applied techniques essential to the practice of pedodontics. F and W. One unit. Professor MASSLER and staff.

P.G. 342. PEDODONTIC CLINIC. Clinical instruction and practice in dentistry for children with particular emphasis on caries control, operative procedures, pulp management, space maintenance, and the interception of malocclusions. W and Sp. One unit. Professor MASSLER and staff.

P.G. 343. PEDODONTIC SEMINAR. (Part of Graduate Pedodontics 401.) Seminar discussions and individual assignments in physical and emotional growth of the child, diet and nutrition, endocrinology, health and disease both general and oral, child management, and preventive dentistry. F, W, and Sp. One-half unit. Professor MASSLER.

P.G. 344. DENTAL PEDIATRICS. (Part of Graduate Pedodontics 401.) Lectures and discussion of the physical and emotional growth of the child, nutrition, physical habitus and endocrinology. F, W, and Sp. One-half unit. Professor MASSLER.

P.G. 345. PEDODONTIC RESEARCH. (Same as Graduate Pedodontics 493.) The student will pursue an original investigation in the field of pedodontics and submit an original thesis. S, F, W, and Sp. One to three units. Professor MASSLER.

Lecture and Seminar Courses

These courses are designed to make available postgraduate instruction to dentists who are not prepared to leave their practice for any appreciable

length of time. The courses meet in six sessions in the evenings or late afternoons, on week-ends, or in one- to four-day periods.

Applications must be made in writing with payment of tuition fee of \$25 and will be considered in the order in which they are received.

Dates will be announced. Additional evening courses will be organized according to demand.

P.G. 350. PHYSIOLOGY OF THE MASTICATORY MECHANISM. Series of lectures and seminars on the biology, function, and treatment of the masticatory mechanism. Anatomy and physiology. The rest position of the mandible. Full mouth reconstruction to restore lost vertical dimensions. Clinical pathology of the temporomandibular joint. Centric registration in complete denture construction (demonstration). Denture space and its registration in full denture construction (motion picture and demonstration). Final period devoted to round-table discussion. Professor KUBACKI and staff.

P.G. 351. RECENT ADVANCES IN CARIES CONTROL. Series of lectures and seminars on etiology and control of dental caries with special emphasis on caries activity tests, including oral lactobacilli counts, salivary termination rates, and enamel solubility tests; evaluation of methods of caries control, including ammonia, fluorine, dietary and hygiene therapy. Final period devoted to a round table discussion participated in by members of the staff and leading authorities in the caries field. Professor KESEL and staff.

P.G. 352. ORAL MEDICINE I. ORAL INFECTIONS AND CLINICAL BACTERIOLOGY. Series of lectures and seminars. Professor MASSLER and staff.

P.G. 353. ORAL MEDICINE II. NOSE AND THROAT IN DENTAL PRACTICE. Series of lectures and seminars. Anatomy and pathology of the nose, throat, and tonsils. Common infections and disorders of the throat and maxillary sinus. Surgical diseases, reconstructive surgery. Professor MASSLER and staff.

P.G. 354 A. ORAL MEDICINE III. DIET AND NUTRITION IN DENTAL PRACTICE. Series of lectures and seminars on the principles of digestion and their application to dental practice. This series will treat of the fats, carbohydrates, and proteins. Professor MASSLER and staff.

P.G. 354 B. ORAL MEDICINE III. DIET AND NUTRITION IN DENTAL PRACTICE. Series of lectures and seminars on the principles of nutrition and their application to dental practice. These lectures will treat of the vitamins and minerals. Professor MASSLER and staff.

P.G. 355. ORAL MEDICINE IV. CARDIOVASCULAR DISEASES AND THE DENTIST. Series of lectures and seminars on cardiovascular diseases as they affect the dentist and the treatment of patients suffering from cardiovascular diseases. Professor MASSLER and staff.

P.G. 357. ENDODONTIA. Series of lectures and seminars. Structure, function, and pathology of the pulp and the periapical tissues. Focal infection. Diagnosis of pulpal disease, clinical instrumentation and treatment. Professor KESEL and staff.

P.G. 358 A. ROENTGENOLOGY I. STANDARD SHORT CONE TECHNIC. Series of laboratory demonstrations and clinical practice periods. Staff.

P.G. 358 B. ROENTGENOLOGY II. INTERPRETATION. Series of lectures. Staff.

P.G. 358 C. ROENTGENOLOGY III. UNDISTORTED LONG CONE TECHNIC. Series of laboratory demonstrations and clinical practice periods. Staff.

P.G. 359. PSYCHOLOGY IN DENTAL PRACTICE. Principles of personality and its development; the personality of the dentist as it relates to his practice; application of these principles in patient management; psychosomatics in dental practice. Staff.

P.G. 361. FUNDAMENTALS OF ORAL SURGERY I. ANATOMICAL BASIS FOR ORAL DIAGNOSIS. Series of lectures and seminars on the anatomy of the head and neck as it relates to oral diagnosis. These lectures include dissection demonstrations. Staff.

P.G. 362. FUNDAMENTALS OF ORAL SURGERY II. TEMPOROMANDIBULAR JOINT. Series of lectures on the temporomandibular joint. Anatomy, physiology, pathology, diagnosis of diseases and treatment. Professor SARNAT and staff.

P.G. 363 D. FUNDAMENTALS OF ORAL SURGERY III. GENERAL ANESTHESIA IN DENTAL PRACTICE. Four-day program. Emphasis on trichlorethylene-nitrous oxide anesthesia and analgesia. Lectures and clinical demonstrations. Professor SADOVE and staff.

P.G. 364. FUNDAMENTALS OF ORAL SURGERY IV. CANCER CONTROL AND ORAL DIAGNOSIS. Series of lectures and seminars on the characteristics and differential diagnosis of oral cancers and other oral lesions. Public health aspects of cancer. Cancer research. Surgical and prosthetic reconstruction. Final period devoted to a round-table discussion. Professor SARNAT and staff.

P.G. 371. PERIODONTICS I. PHYSIOLOGY AND PATHOLOGY OF THE PERIODONTAL STRUCTURES. Series of lectures and seminars relating the basic sciences to periodontics. Classification and diagnosis of periodontal disease. Histo-

physiology and pathogenesis of periodontal diseases. Histophysiology of the supporting tissues. Role of endocrines and nutrition in periodontics. Basic problems in periodontal treatment. Professor KESEL and staff.

P.G. 372. PERIODONTICS II. CLINICAL TREATMENT. Series of lectures and demonstrations on the treatment of periodontal diseases. Prophylaxis and home care. Surgical gingivectomy and postoperative treatment. Chemosurgery. Application of oxygen in the gingival pocket. P.G. 371 is a prerequisite but may be taken concurrently with this course if offered at the same time. Professor KESEL and staff.

P.G. 373 A. PERIODONTICS III. MICROSCOPIC BASIS FOR PERIODONTAL DIAGNOSIS AND TREATMENT. Series of lectures and seminars on the normal histology and inflammatory diseases of the gingiva and of the periodontal tissues. Professor WEINMANN and staff.

P.G. 373 B. PERIODONTICS III. MICROSCOPIC BASIS FOR PERIODONTAL DIAGNOSIS AND TREATMENT. Series of lectures and seminars on the degenerative and traumatic changes in the gingiva and periodontal tissues. Professor WEINMANN and staff.

P.G. 373 C. PERIODONTICS III. MICROSCOPIC BASIS FOR PERIODONTAL DIAGNOSIS AND TREATMENT. Series of lectures and seminars. Correlation of clinical periodontal pathology with histopathology. Biopsy and frozen section techniques, and evaluation of blood chemistry and morphology. Professor WEINMANN and staff.

P.G. 381. DENTISTRY FOR CHILDREN I. FUNDAMENTALS. Series of seminars on fundamental aspects of child growth and development (physical, emotional, social), including application of such knowledge in diagnosis, treatment, and management of the child and his oral health. Professor MASSLER and staff.

P.G. 382. DENTISTRY FOR CHILDREN II. CLINICAL PROBLEMS. Series of seminars. Application of fundamentals discussed in course 381 to clinical problems. Space maintenance. Interception of malocclusion. Traumatized incisors. Pulpotomy. Parent management. Professor MASSLER and staff.

P.G. 390. ORTHODONTICS. BASIC PRINCIPLES OF ORTHODONTICS. This course is limited to exclusive practitioners of orthodontics. Professor BRODIE and staff.

P.G. 391-3 D. WORKSHOP IN ORAL PATHOLOGY. Four-day course. Primarily for teachers or prospective teachers in this field. Professor WEINMANN and staff.

Telephone Extension Courses

P.G. 394. CURRENT ADVANCES IN DENTISTRY, 1953-1954, SERIES 5. Revised up-to-date disc or tape recordings of previous telephone programs, illustrated with film-slides. These programs are available during 1953-1954 to dental groups anywhere in the world.

1. REMOVABLE PARTIAL DENTURE PROSTHESIS
2. PERIODONTICS
3. CARIES CONTROL
4. DENTISTRY FOR CHILDREN
5. CLINICAL AND PHYSICAL APPRAISAL OF DENTAL MATERIALS
6. ORAL INFECTIONS

P.G. 394. CURRENT ADVANCES IN DENTISTRY, 1954-1955, SERIES 6. Live telephone broadcasts and a 116-page illustrated manual. This program will be available to classes meeting in Chicago and other cities, regardless of distance. A fee of \$10 for each individual covers tuition and manual.

Monday, November 8, 1954 — EMERGENCY PROBLEMS IN DENTAL PRACTICE

Monday, December 13, 1954 — PROBLEMS IN CONTROL OF PAIN

Monday, January 10, 1955 — PROBLEMS IN TREATMENT PLANNING

Monday, February 14, 1955 — PROBLEMS IN OCCLUSION

Monday, March 14, 1955 — PROBLEMS IN CARIES CONTROL

For information concerning the Telephone Extension Courses address

Postgraduate Studies Extension Division
College of Dentistry, University of Illinois
Room 869C
808 South Wood Street
Chicago 12, Illinois

One- to Four-Day Courses

P.G. 323-5 D. See page 42.

P.G. 363 D. See page 46.

P.G. 391-3 D. See page 47.

P.G. 396. CORRECTION OF OCCLUSAL DISHARMONIES. Lectures and T.V. demonstrations; laboratory participation by each member of class; round table discussion. DOCTORS GRATZINGER, KESEL, ORBAN, SREEBNY, WENTZ. February 11, 1954.

University of Illinois College of Dentistry
Division of Postgraduate Studies
808 South Wood Street, Chicago 12, Illinois

Application for Admission to Postgraduate Courses

Name _____ Date _____
(First) (Middle) (Last)

Address _____
(Street and No.) (City) (State)

Date of Birth _____ Citizenship _____

Dental School _____

Degrees and Dates Received _____

Additional Training (type, place, degrees, and dates) _____

Have you ever attended the University of Illinois? _____

Membership in Dental and Other Societies _____

Courses Desired _____

P.G. No.

Dates

Titles

Additional Information _____

A check for \$25 made payable to the University of Illinois is enclosed to apply on tuition.

Signature _____

TEAR OFF HERE

The University reserves the right to cancel any course, schedule additional courses, modify the course content or the personnel of the teaching staff, as may be deemed necessary or advisable.

When a student has been accepted for a course, the payment on tuition will be refunded in the event the course is cancelled, or in case he is called to active military service. Should the student be unable to attend for other reasons, the payment will be forfeited unless the vacancy thus created in the course is filled by an alternate, in which case refund will be made at once.

For Further Information Address

Associate Dean in Charge of Postgraduate Studies
University of Illinois College of Dentistry
808 South Wood Street
Chicago 12, Illinois

part 4

Staff

Dental-Medical-Pharmacy Building



and students

**Faculty of the College of Dentistry
and Cooperating Members from Other Departments**

- Abood, Leo, Ph.D., Assistant Professor of Biological Chemistry
Alpert, Norman R., Ph.D., Assistant Professor of Physiology
Atterbury, Robert A., B.S., D.D.S., Instructor in Clinical Dentistry (Research and Educational Hospital Dental Clinic)
Bachem, Albert, Ph.D., Professor of Biophysics
Baram, Peter, M.S., Assistant in Bacteriology
Baranowski, Leo F., B.S., D.D.S., Instructor in Full and Removable Partial Dentures
Barber, Thomas K., D.D.S., M.S., Assistant Professor of Pedodontics
Bazola, Fred N., B.S., D.D.S., Associate Professor of Crowns and Fixed Partial Dentures
Bear, Sanford A., B.S., Instructor in Clinical Dentistry
Bennett, Granville A., B.S., M.D., Professor of Pathology, Head of the Department, and Pathologist-in-Chief in the Research and Educational Hospitals
Berman, David, D.D.S., M.S., Instructor in Applied Materia Medica and Therapeutics
Berman, Jules, B.S., D.D.S., Instructor in Operative Dentistry
Bhaskar, Surindar N., B.D.S., D.D.S., Ph.D., Assistant Professor of Oral Pathology
Blatt, Norman H., M.D., Assistant Professor of Preventive Medicine
Brodie, Allan G., D.D.S., Ph.D., Professor of Orthodontics, Head of the Department, and Dean of the College of Dentistry
Brown, Donald D., D.D.S., Instructor in Crowns and Fixed Partial Dentures
Brown, John W., M.S., Instructor in Physical Education for Men
Butt, Myron G., D.D.S., M.S., Assistant in Oral Surgery (on leave of absence for military service)
Crandall, Lathan A., Jr., Ph.D., M.D., Professorial Lecturer in Physiology
Dallenbach, Frederick D., A.B., M.D., Instructor in Pathology
Darrow, Chester W., Ph.D., Associate Professor of Physiology

Dichose, Rosalia C., D.M.D., Dental Interne in the Research and Educational Hospital Dental Clinic

Donovan, Marguerite H., Instructor in Radiology

Dowling, Harry F., A.B., M.D., Professor of Medicine and Head of the Department

Downs, William B., D.D.S., M.S., Professor of Orthodontics

DuBrul, E. Lloyd, D.D.S., M.S., Assistant Professor of Oral Anatomy and of Oral Surgery

Eklund, Verner E., D.D.S., Assistant in Pedodontics

Elfenbaum, Arthur, A.B., D.D.S., Associate Professor of Clinical Dentistry and Chief Examiner in the Admitting Clinic

Ellingson, Anita M., M.P.H., Instructor in Applied Materia Medica and Therapeutics

Engel, Milton B., D.D.S., M.S., Associate Professor of Orthodontics

Feicht, Harlan E., D.D.S., Assistant in Full and Removable Partial Dentures

Flores, Samson S., D.M.D., Instructor in Full and Removable Partial Dentures

Frank, Morton H., M.S., Assistant in Physiology

Fuller, John B., B.S., M.D., Assistant Professor of Pathology

Gagnon, James A., D.D.S., M.S., Assistant Professor of Histology and Embryology and of Operative Dentistry

Genaze, Melvin R., D.D.S., Assistant in Full and Removable Partial Dentures

Gerard, Ralph W., M.D., Ph.D., Professor of Physiology

Gerlach, Elsie, D.D.S., Associate Professor of Pedodontics and Superintendent of the Children's Clinic

Gillette, Roy J., Ph.D., Assistant Professor of Histology

Goodman, Morris, Ph.D., Assistant Professor of Biological Chemistry

Gratzinger, Max, M.D., D.D.S., M.S., Instructor in Applied Materia Medica and Therapeutics

Greenberg, Ruven, Ph.D., Assistant Professor of Physiology

Grimm, Harold A., B.S., M.D., Assistant Professor of Pathology

Grunwald, Marshall F., D.D.S., M.S., Assistant Professor of Applied Materia Medica and Therapeutics (on leave of absence for military service)

Guillemin, Victor, Jr., Ph.D., Professor of Biophysics

Hanson, Robert J., M.S., Assistant in Bacteriology

Hass, George M., M.D., Professor of Pathology (Rush)

Hendley, Edith D., M.S., Assistant in Physiology

Hill, Worl V., A.B., B.S., D.D.S., Assistant in Operative Dentistry

Himwich, Harold E., M.D., Professorial Lecturer in Physiology

Hoffman, William S., Ph.D., M.D., Professorial Lecturer in Physiology

Hull, Thomas G., Ph.D., Assistant Professor of Preventive Medicine

Ingraham, Raymond C., Ph.D., Associate Professor of Physiology

Jackson, George G., M.D., Associate Professor of Preventive Medicine

Jacobs, Lester, D.D.S., Instructor in Full and Removable Partial Dentures

James, Verda E., A.B., D.D.S., Assistant Professor of Histology and Embryology

Johnson, Clarence A., Ph.D., Assistant Professor of Biological Chemistry

Johnson, Grant C., A.M., M.D., Assistant Professor of Pathology

Johnson, Ivory C., M.S., Research Associate in Applied Materia Medica and Therapeutics

Kellogg, John S., D.D.S., Professor of Prosthetic Dentistry, *Emeritus*

Kempf, John E., A.B., M.D., Professor of Bacteriology

Kesel, Robert G., D.D.S., M.S., Professor of Applied Materia Medica and Therapeutics and Head of the Department

King, Lester S., A.B., M.D., Clinical Associate Professor of Pathology

Kirschbaum, Arthur, Ph.D., M.D., Professor of Anatomy and Head of the Department

Klavan, Bennett, A.B., D.D.S., Instructor in Applied Materia Medica and Therapeutics

Krakower, Cecil A., B.S., C.M., M.D., Professor of Pathology and Associate Pathologist in the Research and Educational Hospitals

Krehbiel, Robert H., Ph.D., Associate Professor of Anatomy

Krejci, Edward J., D.D.S., Assistant Professor of Operative Dentistry, *Emeritus*

Kubacki, W. Howard, D.D.S., Professor of Full and Removable Partial Dentures, Head of the Department, and Director of Clinics

Kurtz, Theodore B., D.D.S., Assistant Professor of Crowns and Fixed Partial Dentures

Lanni, Frank, Ph.D., Assistant Professor of Bacteriology

Laskin, Daniel, D.D.S., M.S., Assistant Professor of Oral Surgery

LaVelle, Arthur, Ph.D., Instructor in Anatomy

Learner, Aaron, M.S., M.D., Clinical Assistant Professor of Pathology

LeBeau, Leon J., Ph.D., Instructor in Bacteriology

Lepper, Mark H., M.D., Associate Professor of Preventive Dentistry

Levinson, Samuel A., Ph.D., M.D., Professor of Pathology and Director of the Hospital Laboratory

Levy, Saul, B.S., D.D.S., Assistant Professor of Dentistry in Applied Materia Medica and Therapeutics

Lichtenwalter, David A., D.D.S., Assistant in Operative Dentistry

Link, Waldemar A., A.B., B.S., D.D.S., Assistant Professor of Operative Dentistry

Lipe, Dale M., B.S., D.D.S., Instructor in Full and Removable Partial Dentures

Macapanpan, Luz C., D.M.D., M.S., Research Assistant in Oral Pathology

Marbarger, John P., Ph.D., Associate Professor of Physiology and Director of Research in the Physical Environment Unit

Mason, Coye C., B.S., M.D., Assistant Professor of Pathology

Massler, Maury, D.D.S., M.S., Professor of Pedodontics and Head of the Department

Maurice, Charles G., D.D.S., M.S., Assistant Professor of Applied Materia Medica and Therapeutics

McElroy, Donald L., D.D.S., M.S., Instructor in Applied Materia Medica and Therapeutics

McGrew, Elizabeth A., A.B., M.D., Assistant Professor of Pathology and Assistant Pathologist in the Research and Educational Hospitals

Meyer, Esther, Ph.G., Ph.D., Assistant Professor of Bacteriology

Meyer, Julia, B.S., Research Associate in Oral Pathology

Milles, George, Ph.G., M.S., M.D., Associate Professor of Pathology and Coordinator of Basic Science

Monsen, Harry, M.S., Assistant in Anatomy

Mullaney, James T., LL.B., Lecturer in Legal Medicine

Nedzel, Alexander J., M.S., M.D., Associate Professor of Pathology

Novak, Milan V., Ph.D., M.D., D.Sc., Professor of Bacteriology, Head of the Department, and Associate Dean of the Graduate College

Noyes, Frederick Bogue, A.B., D.D.S., D.Sc., LL.D., Professor of Orthodontics and Dean of the College of Dentistry, *Emeritus*

Olech, Eli, D.D.S., M.S., Professor of Oral Surgery and Director of Minor Oral Surgery

Pelka, Francis X., B.S., D.D.S., Instructor in Crowns and Fixed Partial Dentures

Pirani, Conrad L., M.D., Associate Professor of Pathology

Plagge, James C., Ph.D., Associate Professor of Anatomy

Pope, William T., B.S., D.D.S., Instructor in Crowns and Fixed Partial Dentures

Pracyk, John A., D.D.S., Instructor in Clinical Dentistry (on leave of absence for military service)

Press, Edward, M.D., Assistant Professor of Preventive Medicine

Pruzansky, Samuel, Assistant Professor of Orthodontics (Division of Services for Crippled Children)

Rabin, Harold, B.S., D.D.S., Assistant in Histology

Rankin, E. P., D.D.S., Assistant in Operative Dentistry

Reed, Carlos Isaac, Ph.D., Professor of Physiology

Renfroe, Earl W., D.D.S., M.S., Associate Professor of Orthodontics

Rieke, Anna, A.B., R.N., Instructor in Oral Surgery

Robinson, Irwin B., D.D.S., Instructor in Oral Surgery

Rogers, William J., D.D.S., Assistant in Pedodontics

Rosen, Marvin D., D.D.S., M.S., Instructor in Oral Pathology

Rosenthal, Sol R., M.D., Associate Professor of Preventive Medicine

Ruhe, David S., M.S., M.D., Assistant Professor of Preventive Medicine

Saphir, Otto, M.D., Clinical Professor of Pathology

Sarnat, Bernard G., M.D., D.D.S., M.S., Professor of Oral and Maxillofacial Surgery and Head of the Department

Savage, Robert G., B.S., D.D.S., Assistant in Full and Removable Partial Dentures

Schiller, Alfred A., M.S., M.D., Associate Professor of Physiology

Schour, Isaac, D.D.S., Ph.D., D.Sc., Professor of Histology and Embryology, Head of the Department, and Associate Dean of the College of Dentistry in Charge of Postgraduate Studies.

Schwartz, Neena B., Ph.D., Instructor in Physiology

Sevy, Roger W., M.S., Instructor in Physiology

Slominski, Mimi D., A.B., M.D., Instructor in Pathology

Spence, John M., D.D.S., M.S., Professor of Operative Dentistry and Head of the Department

Sreebny, Leo M., D.D.S., M.S., Assistant Professor of Applied Materia Medica and Therapeutics

Stastny, Gordon L., B.S., D.D.S., Assistant in Applied Materia Medica and Therapeutics

Stone, Leonard H., B.S., D.D.S., Assistant in Clinical Dentistry

Subtelný, Daniel, D.D.S., Instructor in Orthodontics (on leave of absence for military service)

Talbot, Nell S., A.M., Associate Professor of Medical and Dental History and Assistant to the Dean of the College of Dentistry

Tanner, Mack C., D.D.S., Instructor in Operative Dentistry

Taylor, Welton I., Ph.D., Assistant Professor of Bacteriology

Thompson, James R., M.D., Assistant Professor of Pathology

Torch, David, D.D.S., Assistant in Pedodontics

Tylman, Stanley D., M.S., D.D.S., Professor of Crowns and Fixed Partial Dentures and Head of the Department

Ulloa, Margot, B.S., D.D.S., Associate Professor of Operative Dentistry

Ullrich, William C., M.S., Assistant in Physiology

Underwood, Robert B., D.D.S., Assistant Professor of Full and Removable Partial Dentures

Vazirani, Sunder J., B.D.S., Dental Interne in the Research and Educational Hospital Dental Clinic

Vicher, Edward E., Ph.D., Assistant Professor of Bacteriology

Wach, Edward C., Ph.G., D.D.S., M.S., Associate Professor of Applied Materia Medica and Therapeutics, *Emeritus*

Wakerlin, George E., Ph.D., M.D., Professor of Physiology and Head of the Department

Wallace, Donald A., Ph.D., Professor of Applied Materia Medica and Therapeutics and Consultant to the University of Illinois Foundation

Weider, Stanley D., B.S., D.D.S., Research Assistant in Histology

Weinmann, Joseph P., M.D., Professor of Oral Pathology and Head of the Division

Whitehorn, William V., A.B., M.D., Associate Professor of Applied Physiology
Winzler, Richard J., Ph.D., Professor of Biological Chemistry and Head of the
Department

Yale, Seymour H., B.S., D.D.S., Assistant Professor of Clinical Dentistry (on
leave of absence for military service)

Zimring, Allan J., B.S., M.D., Assistant Professor of Anatomy

Zwemer, Jack D., D.D.S., M.S., Assistant Professor of Bacteriology, Biological
Chemistry, and Oral Medicine

Staff of the Library

Bates, Margaret M., Assistant Librarian, with rank of Instructor

Bergland, Elsie, M.S., Circulation and Reference Librarian, with rank of In-
structor

Campbell, Joan, A.B., B.L.S., Cataloger, with rank of Assistant

Clarke, Lorena, A.M., Catalog Librarian, with rank of Assistant Professor

Loomis, Metta M., Librarian, *Emerita*

Riechers, Caroline, Ph.B., B.S., Chief Librarian of Rush Medical College Li-
brary, with rank of Instructor

Troxel, Wilma, A.M., Librarian and Associate Professor of Library Science

Wheeler, Dorothea M., Pharmacy Reference Librarian, with rank of Instructor

Staff of the Research and Educational Hospitals

DENTAL CLINIC

Atterbury, Robert A., B.S., D.D.S., Attending Dental Surgeon

Borkenhagen, Robert H., B.S., D.D.S., B.M., M.D., Associate Attending
Dental Surgeon

Dichose, Rosalia C., D.M.D., Dental Interne

Elfenbaum, Arthur, A.B., D.D.S., Chief of Clinic

Flores, Samson S., D.M.D., Assistant Attending Dental Surgeon

Laskin, Daniel M., D.D.S., M.S., Assistant Attending Dental Surgeon

Massler, Maury, D.D.S., M.S., Attending Dental Surgeon

Vazirani, Sunder J., B.D.S., Dental Interne

Yale, Seymour H., B.S., D.D.S., Assistant Attending Dental Surgeon (on leave
of absence for military service)

Degree of Doctor of Dental Surgery

Conferred June 19, 1952

Alessio, Gloria Angeline, B.S.

Barham, Henry Garfield, B.S.

Boone, Ralph Oran, B.S.

Burkee, Ralph Eugene

Burkett, Gerald Wayne

Delluomo, Constantine Danny, B.S.

DiDea, Arthur, B.S.

Fox, John Richard

Genaze, Melvin Roy

Gibbs, Robert Elmore, B.S.

Gillies, Robert Ian, B.D.S.

Goldberg, Erwin Sidney, B.S.

Gormley, William Thomas, B.S.
 Greenberg, Louis, B.S.
 Gulley, Robert Edward, B.S.
 Hollman, Norman Henry
 Ieronimo, Felice
 Jennings, Paul Laurence, B.S.
 Kelly, Harmon Richard, B.S.
 Kinell, Carl Jack
 Larkin, Thomas Joseph, Jr.
 Looper, Michael, B.S.
 Mabry, William Paris
 Maras, Charles Carl
 Marshall, Arthur Elliott
 Mason, Theodore Moyer
 McIntire, James Robert, B.S.
 Mendelsohn, Mark Joseph, B.S.
 Miller, Kermitt Clyde, B.Ed.
 Nakayama, Joe Minbu
 Nichols, Charles Frederick
 Novak, Marilyn Anne, B.S.
 Oset, Frank Fredrick
 Parke, Wyatt Kay, B.S.
 Parker, Russell LeRoy
 Pauly, Theodore John, A.B., B.S.

Conferred June 18, 1953

Anderson, Gordon David, B.S.
 Angelo, Vincent, B.S.
 Balaty, Jerry Frank, B.S.
 Barrett, Darwin Smith, B.S.
 Benzuly, Lawrence Mitchell, B.S.
 Bernstein, Marvin, B.S.
 Buckley, Arthur Basil, B.S.
 Choisser, Frederick George
 Dahman, Robert Philip
 Dausmann, William John, Jr., B.S.
 Day, Lawrence DeVerne
 Deahl, Samuel Thomas, B.S.
 Douglas, John William, B.S.
 Fantozzi, Sam Joseph, B.S.
 Fiocca, Vincent Leonard, B.S.
 Fisher, Curtis William, B.S.
 Geckler, Basil Theodore, Jr., B.S.

Pomatto, Bert Dominic, B.S.
 Pomije, Earle Francis, B.S.
 Powles, Frank William
 Rappaport, Albert, B.S.
 Ring, Ned Mason, B.S.
 Rothblatt, Harold David, B.S.
 Rowe, Kendall Clifford
 Safar, Milo Rudolph, B.S.
 Sasamoto, George Nobuo
 Savage, Robert Gordon, B.S.
 Schubert, Robert Edgar
 Scofield, John Robert
 Shapiro, David Charles, B.S.
 Skarda, Richard Edward, B.S.
 Sperry, Clifford Allen, B.S.
 Sprague, Robert Ellsworth, B.S.
 Stastny, Gordon Louis, B.S.
 Stessl, Louis Anthony, B.S.
 Stolp, Northam Hoyt, B.S.
 Suta, Thomas Earl, B.S.
 Swan, Wade Rodway, B.S.
 Swanson, Donald Laverne, B.S.
 Wilcox, Donald Wayne, B.S.

Georges, Richard Herman, B.S.
 Gittelman, Irving, B.S.
 Going, Robert Ernest, A.B., B.S.
 Hagberg, Carter Eugene, B.S.
 Hoffman, Kenneth Burnett
 Hurlburt, Charles Erwin, B.S.
 Jacobs, Norman Nathan, B.S.
 Koster, Ronald Walter, B.S.
 Lee, Robert Emmett, A.B., B.S.
 Lichtenwalter, David Albert, B.S.
 Maehara, Edward Goro
 Marmé, Maurice Raymond, B.S.
 Masters, Charles Hal, B.S.
 Maxwell, Donald Ellis, B.S.
 Medley, Connell Calvin
 Michels, Gerald Leonard, B.S.
 Neiditch, Wilmore, B.S.

Nelson, Grant Winfield, B.S.
 Niederman, Ira M., B.S.
 Nielsen, Neal Albert, Jr.
 Ogata, Kenje, B.S.
 Pawlowski, Leonard, B.S.
 Pratt, Glenn J., B.S.
 Ramberg, Ervin Robert, B.S.
 Rosenberg, Allen, B.S.
 Rost, Richard John, B.S.
 Silver, Milton, B.S.
 Singer, Carl Edmund, B.S.
 Siver, Hymen
 Slomowitz, Alvin, A.B., B.S.
 Stone, Howard Arch, B.S.

Stone, Leonard Henry, B.S.
 Stroner, William Frank, B.S.
 Thomas, Charles Lester, B.S.
 Towner, Francis William, A.B., B.S.
 Udehn, Carlisle David, B.S.
 Unti, Eugene, B.S.
 Wallis, Sam Frank, B.S.
 Watanabe, Mark
 Watts, George Leslie, B.S.
 Winer, Myron Sheldon, B.S.
 Woolard, Archie Paul, B.S.
 Zelenka, Richard Harold, B.S.
 Ziema, Milda Aleksandra, D.M.D.

Register of Students 1952-1953

FOURTH YEAR CLASS

Anderson, Gordon David
 Angelo, Vincent
 Balaty, Jerry Frank
 Barrett, Darwin Smith
 Benzuly, Lawrence Mitchell
 Bernstein, Marvin, B.S.
 Buckley, Arthur Basil
 Choisser, Frederick George
 Dahman, Robert Philip
 Dausmann, William John, Jr.
 Day, Lawrence DeVerne
 Deahl, Samuel Thomas
 Douglas, John William
 Fantozzi, Sam Joseph
 Fiocca, Vincent Leonard
 Fisher, Curtis William
 Geckler, Bazil Theodore, Jr.
 Georges, Richard Herman
 Gittelman, Irving
 Going, Robert Ernest
 Hagberg, Carter Eugene
 Hoffman, Kenneth Burnett
 Hurlburt, Charles Erwin
 Jacobs, Norman Nathan
 Koster, Ronald Walter

Lee, Robert Emmett
 Lichtenwalter, David Albert
 Maehara, Edward Goro
 Marmé, Maurice Raymond
 Masters, Charles Hal
 Maxwell, Donald Ellis
 Medley, Connell Calvin
 Michels, Gerald Leonard
 Neiditch, Wilmore
 Nelson, Grant Winfield
 Niederman, Ira M.
 Nielsen, Neal Albert, Jr.
 Ogata, Kenje
 Pawlowski, Leonard
 Pratt, Glenn J.
 Ramberg, Ervin Robert
 Rosenberg, Allen
 Rost, Richard John
 Silver, Milton
 Singer, Carl Edmund
 Siver, Hymen
 Slomowitz, Alvin
 Stone, Howard Arch
 Stone, Leonard Henry
 Stroner, William Frank

Thomas, Charles Lester
Towner, Francis William
Udehn, Carlisle David
Unti, Eugene
Wallis, Sam Frank
Watanabe, Mark

Watts, George Leslie
Winer, Myron Sheldon
Woolard, Archie Paul
Zelenka, Richard Harold
Ziema, Milda Aleksandra

THIRD YEAR CLASS

Aimone, Joseph Anthony
Anderson, Kenneth Eugene
Anderson, Lawrence Arthur
Andriasevich, Louis Matthew
Antolak, Henry Joseph
Anton, Bert H.
Brewer, Robert Eugene
Brink, Donald Robert
Brown, Clifford Avery
Burns, William Joseph
Busch, Hirsh Meyer
Carnow, Ralph
Case, Thomas Robert
Cirulis, Marija
Corley, Richard Dean
Crank, Gerald Lamb
DeWeerth, Elias Orval
Driskell, Claude Evans
Dudenbostel, Robert Eugene
Duis, John Henry
Epstein, Morton
Frankenstein, Paul William
Freedman, Kenneth Alan
Frickenstein, Ralph Gilmen
Frieden, William Robert
Glazier, Norman M.
Goshgarian, Robert Ara
Grauer, David Ernst
Gundrum, Mark Duane
Hallwass, Karl Heinz
Hatton, Edward Isaac
Hebting, Charles Frank
Hendricks, Richard Clarence
Hutchinson, Gale Lynn
Iida, Harry Tatsuo

Iliescu, John, Jr.
Irish, Robert Lloyd
Jackson, William T.
Jacobi, Jean Paul
Jurkunas, Teofile
Karbowsky, Walter Manchester
Klecinie, Edward Paul
Kloehn, John Sherman
Kozlov, Marvin
Lawless, David Thomas
Lecocq, Kenneth Roy
Levinsky, Philip
Limosani, Joseph Anthony
Mackey, Gilbert Donald
Magier, Benjamin
Nagele, Thomas Eugene
Nielsen, Conrad Erwin
Nolen, Frederick Dale
Norgello, Irene
Osterberger, George Robert
Petrauskas, Ludmilla
Pickle, Dan Edward
Platenka, Melvin Frank
Price, Harry Mackey
Prunskis, Anna
Ransford, Ralph Eugene
Reed, Wilbur Guy
Reilly, Edward Joseph
Repsys, Elena
Rogel, Arthur William
Rominger, William Martin, Jr.
Ronnett, Alexander
Schaller, Lawrence Eugene
Schneider, Bernard Joseph
Schultz, John Peter

Stein, Stanley Irving
Stuebner, Elaine Alice
Sturman, George Donald
Thomas, George Kenneth

Tupy, Raymond Joseph
Weiss, John Sherman
Zelikow, Robert

SECOND YEAR CLASS

Anders, Paul Henry
Bauman, John Arthur
Bennett, Lee LaRue
Berenson, Ralph David
Bernstein, Morris
Braunagel, Donald Bernard
Buckley, Don C.
Bulwa, Sheldon M.
Burns, Daryl Robert
Burns, William Paul
Carroll, James Robert
Century, Theodore Howard
Chamberlin, Thomas Roderick, Jr.
Christie, Thomas Michael
Chun, Howard K. C.
Coberley, Robert Clayton
Council, Ralph Herbert
Cox, Clarence Albert
Doolen, Deane Elmo
Fivelson, Bertram
French, Jack W.
Gabor, Donald Victor
Gardner, Don C.
Glaysheer, Gordon A.
Glickman, Lawrie Burton
Hammer, Raymond E.
Henry, Richard A.
Hirsh, Marvin
Holek, Donald Eugene
Horton, Donald William
Imber, Harvey Lee
Jasiczek, Chester Lovis
Jordan, Homer Alverio
Kazmer, Herbert Leroy
Klooster, John Edwin
Knoblock, Frank Brian, Jr.
Knoeppel, Donald Raymond

Kottemann, George James
Kowalik, Edmund C.
Krizek, Edward C.
Landau, Lea (Unclassified)
Libanoff, Arthur
Malkin, Stewart Jerome
Marquardt, George Lane
Maryn, David
McNeil, Donald James
Miles, Robert C.
Moore, Robert Clinton
Myers, Lawrence Joseph
Norman, Royal Livingston
Obrock, Edward Henry
Panagopoulos, Athanassios P.
(Unclassified)
Parsons, Robert A.
Pele, Henry Theodore
Quartetti, Leonard
Reel, Charles Earle
Reithel, David Allan
Ritter, John Wesley
Saad, Louis Joseph
Sabien, Leo Karl
Samaras, Mathew Peter
Sandercock, Harold Jay
Schoppe, Reinhardt John
Selwyn, David Frederick
Shatavsky, Melvin
Simios, Nicholas Logan
Simonet, George P. (Unclassified)
Smith, George W.
Stanley, John William
Therkildsen, Paul
Toy, Kenneth Lyle
Trelka, Casimir Peter
Trimarco, William Charles

Warda, Thomas Francis
Wertz, Robert Arthur

FIRST YEAR CLASS

Albert, Milton Wayne
Allen, Joseph Arrington, Jr.
Allison, James Arthur
Antman, Marvin
Barrett, Jonathan William
Baxter, Robert M.
Bernstein, Stuart
Bieles, Richard Charles
Casperson, Eugene Arnolo
Chung, Thomas Glen, Jr.
Corrado, Valentine John
Daly, William Henry
Darwish, Louis
DeJarld, Richard Lee
Dimas, Louis Theodore
Dyer, Michael Hugh
Eiffes, James Jerome
Eisinger, Robert
Feeney, Thomas Philip
Flanagan, Hugh Joseph
Friduss, Arthur Jay
Friedman, Albert William
Gilberg, Edward M.
Godelausky, Walter John
Granata, Joseph John
Grimmenga, Arthur Frank
Hader, Jesse
Hasselbring, Duane L.
Himma, Ada Irene
Hiroshige, Chikara
Irvine, Peter Morse
Kaeser, John Louis
Kaminski, John Joseph
Kaplan, Melvin
Kashihara, Jack Y.
Keith, Linton Jerome, Jr.
Kim, Harry M.S.B.
Kolmer, Donald Eugene
Laff, Sherwin
Lazarus, William Barker

Westine, John Roland

Lekan, Eugene C.
Lenowich, George
Lerch, Herbert Benjamin
Long, Wallace Dale
Maddrell, John Albert
Maly, Francis Joseph
Matuga, Joseph John
Maurer, William Council
Mazur, Boleslaw
McCaughey, Peter Christopher
McDyer, Neal Thomas
Mear, Thomas Henry
Meyer, Raymond C.
Miller, John Clark
Mitcheltree, William Allyne
Newell, Jerry Carol
Paesani, Pete A.
Pekoff, Leonard
Pfeifer, Norman Ray
Podlasinski, Bernard Fredrick
Pulliam, Robert Eugene
Robbins, Hershey Merle
Rosenstein, Herbert Robert
Sacchetti, Vincent Joseph
Saiki, Richard Rokuro
Sasamoto, Sam Masami
Schott, Joseph Sylvester
Silver, Gerald Marshall
Solomon, Arthur Morris
Takehara, Joe
Teicher, Zelmores Charles
Tye, Edward James
Venema, William, Jr.
Weaver, Gary Holmes
Weber, Carl E.
Wolff, Harry
Wood, James Donald
Woodbury, Robert Kenneth
Yale, Eugene Alan
Zawlocki, Eugene A.

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